# ISPT1010.ST25.txt SEQUENCE LISTING



20

20

```
<110> Ward, Donna T.
Dobie, Kenneth W.
Marcusson, Eric G.
Freier, Susan M.
```

- <120> MODULATION OF HIF1a AND HIF2a EXPRESSION
- <130> ISPT-1010
- <140> US 10/719,370
- <141> 2003-11-21
- <150> US 10/304,126
- <151> 2002-11-23
- <160> 458
- <170> PatentIn version 3.2
- <210> 1
- <211> 20
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Oligonucleotide primer
- <220>
- <221> misc\_feature
- <222> (1)..(3)
- <223> 2'-O-methoxyethyl with phosphorothicate backbone
- <220>
- <221> misc\_feature
- <222> (13) ... (20)
- <223> 2'-O-methoxyethyl with phosphorothicate backbone
- <400> 1

tccgtcatcg ctcctcaggg

- <210> 2
- <211> 20
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Oligonucleotide primer
- <220>
- <221> misc\_feature
- <222> (1)..(5)
- <223> 2'-O-methoxyethyl with phosphorothicate backbone
- <220>
- <221> misc feature
- <222> (16)..(20)
- <223> 2'-O-methoxyethyl with phosphorothioate backbone
- <400> 2

gtgcgcgcga gcccgaaatc

- <210> 3
- <211> 20
- <212> DNA

```
<213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <220>
 <221> misc_feature
 <222>
       (1)..(5)
 <223> 2'-O-methoxyethyl with phosphorioate backbone
 <220>
 <221> misc_feature
 <222>
        (16)...(20)
        2'-O-methoxyethyl with phosphorioate backbone
 <223>
 <400> 3
 atgcattctg cccccaagga
                                                                        20
 <210>
 <211>
        3933
 <212>
      DNA
 <213> Homo sapiens
 <300>
 <301> Hogenesch et al.
 <302>
       Characterization of a subset of the basic-helix-loop-helix-PAS
        superfamily that interacts with components of the dioxin
        signaling pathway
       J. Biol. Chem
 <303>
<304>
        272
 <305>
       13
 <306> 8581-8593
 <307>
       1997
 <308> U29165.1
 <309>
      1997-04-11
 <313> (1)..(3933)
 <220>
 <221> misc feature
 <222>
       (265) . . (2745)
 <223>
       CDS
 <400> 4
 cacgaggcag cactetette gtegettegg ceagtgtgte gggetgggee etgacaagee
                                                                        60
 acctgaggag aggctcggag ccgggcccgg accccggcga ttgccgcccg cttctctcta
                                                                      120
 gtctcacgag gggtttcccg cctcgcaccc ccacctctgg acttgccttt ccttcttc
                                                                      180
 tccgcgtgtg gagggagcca gcgcttaggc cggagcgagc ctgggggccg cccgccgtga
                                                                      240
 agacategeg gggacegatt caccatggag ggegeeggeg gegegaacga caagaaaaag
                                                                      300
 ataagttctg aacgtcgaaa agaaaagtct cgagatgcag ccagatctcg gcgaagtaaa
                                                                      360
 gaatctgaag ttttttatga gcttgctcat cagttgccac ttccacataa tgtgagttcg
                                                                      420
                                                                       480
 catcttgata aggcctctgt gatgaggctt accatcagct atttgcgtgt gaggaaactt
 ctggatgctg gtgatttgga tattgaagat gacatgaaag cacagatgaa ttgcttttat
                                                                       540
 ttgaaagcct tggatggttt tgttatggtt ctcacagatg atggtgacat gatttacatt
                                                                       600
 tctgataatg tgaacaaata catgggatta actcagtttg aactaactgg acacagtgtg
                                                                       660
                                                                      720
 tttgatttta ctcatccatg tgaccatgag gaaatgagag aaatgcttac acacagaaat
```

			ISPT101	0.ST25.txt		
ggccttgtga a	aaagggtaa	agaacaaaac	acacagcgaa	gcttttttct	cagaatgaag	780
tgtaccctaa c	tagccgagg	aagaactatg	aacataaagt	ctgcaacatg	gaaggtattg	840
cactgcacag g	ccacattca	cgtatatgat	accaacagta	accaacctca	gtgtgggtat	900
aagaaaccac c	tatgacctg	cttggtgctg	atttgtgaac	ccattcctca	cccatcaaat	960
attgaaattc c	tttagatag	caagactttc	ctcagtcgac	acagcctgga	tatgaaattt	1020
tcttattgtg a	tgaaagaat	taccgaattg	atgggatatg	agccagaaga	acttttaggc	1080
cgctcaattt a	tgaatatta	tcatgctttg	gactctgatc	atctgaccaa	aactcatcat	1140
gatatgttta c	taaaggaca	agtcaccaca	ggacagtaca	ggatgcttgc	caaaagaggt	1200
ggatatgtct g	ggttgaaac	tcaagcaact	gtcatatata	acaccaagaa	ttctcaacca	1260
cagtgcattg t	atgtgtgaa	ttacgttgtg	agtggtatta	ttcagcacga	cttgattttc	1320
tcccttcaac a	aacagaatg	tgtccttaaa	ccggttgaat	cttcagatat	gaaaatgact	1380
cagctattca c	caaagttga	atcagaagat	acaagtagcc	tctttgacaa	acttaagaag	1440
gaacctgatg c	tttaacttt	gctggcccca	gccgctggag	acacaatcat	atctttagat	1500
tttggcagca a	cgacacaga	aactgatgac	cagcaacttg	aggaagtacc	attatataat	1560
gatgtaatgc t	ccctcacc	caacgaaaaa	ttacagaata	taaatttggc	aatgtctcca	1620
ttacccaccg c	tgaaacgcc	aaagccactt	cgaagtagtg	ctgaccctgc	actcaatcaa	1680
gaagttgcat t	aaaattaga	accaaatcca	gagtcactgg	aactttcttt	taccatgccc	1740
cagattcagg a	tcagacacc	tagtccttcc	gatggaagca	ctagacaaag	ttcacctgag	1800
cctaatagtc c	cagtgaata	ttgttttat	gtggatagtg	atatggtcaa	tgaattcaag	1860
ttggaattgg t	agaaaaact	ttttgctgaa	gacacagaag	caaagaaccc	attttctact	1920
caggacacag a	tttagactt	ggagatgtta	gctccctata	tcccaatgga	tgatgacttc	1980
cagttacgtt c	cttcgatca	gttgtcacca	ttagaaagca	gttccgcaag	ccctgaaagc	2040
gcaagtcctc a	aagcacagt	tacagtattc	cagcagactc	aaatacaaga	acctactgct	2100
aatgccacca c	taccactgc	caccactgat	gaattaaaaa	cagtgacaaa	agaccgtatg	2160
gaagacatta a	aatattgat	tgcatctcca	tctcctaccc	acatacataa	agaaactact	2220
agtgccacat c	atcaccata	tagagatact	caaagtcgga	cagcctcacc	aaacagagca	2280
ggaaaaggag t	catagaaca	gacagaaaaa	tctcatccaa	gaagccctaa	cgtgttatct	2340
gtcgctttga g	tcaaagaac	tacagttcct	gaggaagaac	taaatccaaa	gatactagct	2400
ttgcagaatg c	tcagagaaa	gcgaaaaatg	gaacatgatg	gttcactttt	tcaagcagta	2460
ggaattggaa c	attattaca	gcagccagac	gatcatgcag	ctactacatc	actttcttgg	2520
aaacgtgtaa a	aggatgcaa	atctagtgaa	cagaatggaa	tggagcaaaa	gacaattatt	2580
ttaataccct c	tgatttagc	atgtagactg	ctggggcaat	caatggatga	aagtggatta	2640
ccacagctga c	cagttatga	ttgtgaagtt	aatgctccta	tacaaggcag	cagaaaccta	2700
ctgcagggtg a	agaattact	cagagctttg	gatcaagtta	actgagcttt	ttcttaattt	2760
cattcctttt t	ttggacact	ggtggctcac	tacctaaagc	agtctattta	tattttctac	2820

#### ISPT1010.ST25.txt atctaatttt agaagcctgg ctacaatact gcacaaactt ggttagttca atttttgatc 2880 ccctttctac ttaatttaca ttaatqctct tttttaqtat qttctttaat qctqqatcac 2940 agacagetea tttteteagt tttttggtat ttaaaceatt geattgeagt ageateattt 3000 taaaaaatgc acctttttat ttatttattt ttggctaggg agtttatccc tttttcgaat 3060 tatttttaag aagatgccaa tataattttt gtaagaaggc agtaaccttt catcatgatc 3120 ataggcagtt gaaaaatttt tacacctttt ttttcacatt ttacataaat aataatgctt 3180 tgccagcagt acgtggtagc cacaattgca caatatattt tcttaaaaaa taccagcagt 3240 tactcatgga atatattctg cgtttataaa actagttttt aagaagaaat tttttttggc 3300 ctatgaaatt gttaaacctg gaacatgaca ttgttaatca tataataatg attcttaaat 3360 gctgtatggt ttattattta aatgggtaaa gccatttaca taatatagaa agatatgcat 3420 atatctagaa ggtatgtggc atttatttgg ataaaattct caattcagag aaatcatctg 3480 atgtttctat agtcactttg ccagctcaaa agaaaacaat accctatgta gttqtggaaq 3540 tttatgctaa tattgtgtaa ctgatattaa acctaaatgt tctgcctacc ctgttggtat 3600 aaagatattt tgagcagact gtaaacaaga aaaaaaaaat catgcattct tagcaaaatt 3660 gcctagtatg ttaatttgct caaaatacaa tgtttgattt tatgcacttt gtcgctatta 3720 acatcctttt tttcatgtag atttcaataa ttgagtaatt ttagaagcat tattttagga 3780 atatatagtt gtcacagtaa atatcttgtt ttttctatgt acattgtaca aatttttcat 3840 tccttttgct ctttgtggtt ggatctaaca ctaactgtat tgttttgtta catcaaataa 3900 acatcttctg tggaaaaaaa aaaaaaaaaa aaa 3933 <210> 5 <211> 23 <212> DNA <213> Artificial Sequence <220> <223> PCR Primer <400> 5 ccagttacgt tccttcgatc agt 23 <210> 6 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> PCR Primer <400> 6 tttgaggact tgcgctttca 20 <210> 7

<210> /
<211> 28
<212> DNA
<213> Artificial Sequence
<220>
<223> PCR Primer

<400> tcacca	7 ttag aaagcagttc cgcaagcc	28
<210> <211> <212> <213>	8 19 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> gaaggt	8 gaag gtcggagtc	19
<210> <211> <212> <213>	9 20 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> gaagat	9 ggtg atgggatttc	20
<210> <211> <212> <213>	10 20 DNA Artificial Sequence	
<220> <223>	PCR Primer	
<400> caagct	10 tccc gttctcagcc	20
<210> <211> <212> <213>	11 57500 DNA Homo sapiens	
<300> <308> <309> <313>	AL137129.4 2001-04-30 (1)(57500)	
<220> <221> <222> <223>	(m) :: (m : = = = 1)	on
<400> taaaat	11 ttta tootatatga aattttoott tttggtgtot gttatttaat aggattgttt	60
gaatta	gggg atactatttg gtgcctttgt aactatatga aaattagttg gttgaatatt	120
actgct	ttcc atgttcatat ttatatttgt atagacatat atatatatac acatatacta	180
ctttcc	tttc cattttcata tttatatttg tgtatacaca tatacataaa catatattt	240
atacat	tttt gaaaaggaaa attaacttaa gggcatattt aatgaatatt caaaaatttt	300
tttgct	gatc aaattatcat totgotttaa acttttgaaa tgatocaaaa aaattttaaa	360

tgacttagat	ttactgttac	aaaatgcttg	tcttttgatg	tcacaaacat	tatatactat	420
aatcactggc	cagagataat	tgctataagt	ataatgaaaa	gggaaatgat	ggaagatctc	480
tgcagctatc	ctcataaatg	agggtgggaa	cacgatgggc	agttccaaag	ttgaaaatag	540
agaatatatg	tggatttata	ttaacataat	tggtattctt	ggatagttaa	aaatggctaa	600
actgtaggag	aagcccgagt	aattactgtt	aacagaggaa	taaatttgag	ggcaataata	660
atgatgatag	gccaggcact	gtggctcatg	cctgtaatcc	cagcactttg	ggaacccgag	720
gcgagcggac	cacctgaggt	caggagttcg	agagcagcct	ggccaacatg	gtgaaacctc	780
gtctctacta	aaaatagaaa	aattatccga	gtgtggtggt	gcgtgcctgt	aatcccagct	840
acttgggagg	ctgaggcagg	agaatcactt	gtacctggga	ggcggagttg	cagtgagccg	900
aaatcgcgcc	actgcgctcc	agcctgtggg	ccagagcgag	actccgcctc	agaataataa	960
taatgataat	aataataacg	ccaccaacaa	tactaagagc	taacatttac	tgagtgctta	1020
ctatgcacca	gatattgttc	taagtataca	tttattatct	catttaacca	tccataatac	1080
tgtggtatag	acacttttat	atccatttta	taaataagta	aactgagtta	tggagagatt	1140
aaacgacttg	ccagtaagat	tcaaagcctg	tgtacaagct	cacgcttgat	tctggagcca	1200
gtgttcttaa	cacagtatct	tgagaatgtt	aaactaaaaa	gtttttaatt	tacagtattc	1260
tttccacaat	taaaaaagaa	attatgagta	attatttta	gttctttctt	ctcttcaggc	1320
atttcccatg	gttcttttca	agacataata	catatcattt	agtgttgtag	atctgaaaaa	1380
acaaaagtag	cgtgaagatc	aaaaattttc	taaagagacg	gagtctcgct	acgttcccta	1440
ggctggaaca	cccaggcttc	tccagcctca	cacctctgag	tagctggaac	caccctgtcc	1500
gctaaggtca	atgtttaatc	gtatctttgt	aggtctactg	accagttaaa	aagaggtgct	1560
gtatacattg	gttgttgtct	tgtcagagtt	tgatgcttct	atatagacca	ttgtttttac	1620
atgctaatac	aattgaaagc	cactacagat	atttatattt	acaacccaaa	gctaggtttt	1680
aacaagaaac	tcataaggca	aaggtgagaa	gtaaaataat	ttagcgccaa	gtggagatat	1740
atgtgcaatg	ctactttgtt	gggctcaaaa	catattttc	ttttagaaga	ctgacaggct	1800
tgaagtttat	gcctccaaag	acaaaagtga	ttatgttttg	tttagtagct	tgcaaagttg	1860
ccaaaggcca	ttttttctac	tctttccctg	aaattggttt	atatgcttat	taaagtcatt	1920
tatacctatt	tgcaaatgct	taacatagtt	tcagatttta	agatttccct	gcaactttat	1980
ttcccttgaa	gtttacagca	acaggagttc	atttttattt	ttaattgcat	ttattcagta	2040
agtaaactcc	gccacagaaa	aacttagtag	acaaggtgag	ttcccctgtg	ctccgtggca	2100
aagagtgcgg	tgggtgacat	tgacccatgg	ttaggtaatc	tggtaaggaa	agaccccgtt	2160
gtaacacatc	tgagcaacga	gaccaaagga	agggcttgct	gccacgaggc	gaagtctgct	2220
tttttgaaca	gagagcccag	cagagttggg	cggcaatcgt	gcccagcact	gaggccgagg	2280
agaaagagag	caggagcatt	acattactgc	accaagagta	ggaaaatatg	atgcatgttt	2340
gggaccaggc	aaccgaaatc	ccttctcagc	agcgcctccc	aaagccgggc	accgccttcc	2400
ttcggagaag	gcgcagagtc	cccagactcg	ggctgagccg	cacccccatc	tcctttctct	2460

ttcctccgcc gctaaacaca	gacgagcacg	tgagcgtcgc	agcccgtccc	agctgtgcct	2520
cagctgaccg cctcctgatt	ggctgagagc	ggcgtgggct	ggggtgggga	cttgccgcct	2580
gcgtcgctcg ccattggatc	tcgaggaacc	cgcctccacc	tcaggtgagg	cgggcttgcg	2640
ggagcgcgcg ccggcctggg	caggcgagcg	ggcgcgctcc	cgccccctct	cccctccccg	2700
cgcgcccgag cgcgcctccg	cccttgcccg	cccctgacg	ctgcctcagc	tcctcagtgc	2760
acagtgctgc ctcgtctgag	gggacaggag	gatcaccctc	ttcgtcgctt	cggccagtgt	2820
gtcgggctgg gccctgacaa	gccacctgag	gagaggctcg	gagccgggcc	cggaccccgg	2880
cgattgccgc ccgcttctct	ctagtctcac	gaggggtttc	ccgcctcgca	ccccacctc	2940
tggacttgcc tttccttctc	ttctccgcgt	gtggagggag	ccagcgctta	ggccggagcg	3000
agcctggggg ccgccgccg	tgaagacatc	gcggggaccg	attcaccatg	gagggcgccg	3060
gcggcgcgaa cgacaagaaa	aagtaagccc	attccctcgg	cccgccgcct	tctcccccgg	3120
cgaccccgcc cgcctgcccg	ccctgggctc	ctgggccggc	ctcggcgtta	atgggattgg	3180
ggggggcagc ctttttgttt	ctgctgctgc	tcccctcccc	tctcttcccc	caacctcgcc	3240
ggccgggctc ccccgctgtc	cacgtcgcca	tcttgtcgtg	gggggtggga	gacgcctcga	3300
aagtgctttc aggggccggg	gtctgagccc	tgcttgccct	ccccgccggc	cgtgggggcc	3360
tegegeegee cacetaceeg	cctcaaaaac	ccagcctgct	ctgtggcccc	atccggaggg	3420
gactttaccc agcctgaaaa	ccccgggaag	agaaatgagc	tgcagctcgg	tagccgcggt	3480
ttgcacccgg agcttccgct	ccttcccgcc	cccatcctct	ccagttccat	tgaaaactcg	3540
gccctggggc ggaccctgca	cgctggtcct	ggctttccag	tggacttggg	gccttgagtt	3600
cccgactgag ggactcgcgt	ggtcggatgc	gatcttgtcc	tgtagttgtc	cagccgtcgc	3660
gggtgtcttt gcctttgtgc	attagggatt	tgccgcgatg	gccttaagat	gcgaactttt	3720
tagtttgcac gtgcaggttt	tgtttcgttt	taatcgcctt	gaaaaacttg	cctagactga	3780
gagtcagagt aatgggaatt	tagggaaatg	gcaacatttt	aaagagaact	tcagaattgg	3840
atacttgagt tcatatcacc	tgtcacgaga	acgcagatat	tataaatgaa	tatatgcctc	3900
attcattctt caaataatga	aaatgtaggg	gctggttaaa	tttaggcagt	tttaatgata	3960
ctgaaaaaag tatatgatga	gtgaatgaaa	tgcggcacta	aaatgttgca	aaaattttcg	4020
aactctgtct cattttcctg	aaattgaagt	atattaaagg	aaaaccgtca	acatatatct	4080
aaagtaagta atcactcggt	tagaacttaa	tgcaagtttt	ataaatcacc	ttgaagtttg	4140
agtctaaggg gtacattaga	gattaagaat	tgtgagttgg	accagtggtg	ttaagagcgg	4200
actccccat cccccaacac	acacacaatt	ttgcccactt	tggcatttta	acttttaagg	4260
aaatcactta aggaattgaa	gatttagagt	aagagttttg	gttagtagac	tggctttgct	4320
gttaaatcct tccactcttc	tggcagagag	attaatttcc	ctaatcagta	tcagcagaag	4380
ataaacttgt ttatattcct	gctgttttgt	agatcccttc	tcctggtcct	tcttcaatag	4440
aatattaaat tottagtttg	tatacagcag	agaaggtcac	ttataaaatt	caaaaagtga	4500
gcaaacaggt ctagattaat	tccaagagtt	accaggaatt	aattgcagtt	tattttgcgg	4560

aggtgattac	agtgcttttg	atgaaatgat	aaagctgcta	tattgtaaac	ctaaggcaga	4620
ttacctctgt	gtagtgccag	ttttctatcc	ttattatata	ttgaatcata	cttaatacaa	4680
tgcattaaat	tatgtaccac	ttttttata	tacagtatcg	aactcattgt	tttgccattc	4740
atccgttcag	aatatcagaa	gcagttttga	aacgaattaa	taaattagct	actgttcatc	4800
agccccaatt	ctaaataagc	tcttagattt	tcctcagccc	atctgttact	ttcaaaattt	4860
tctcatttga	aaacttggca	accttggatt	ggatggattc	atatttctta	gtatagaagt	4920
tcttgatata	actgaaaaat	taagttaaac	acttaataag	tggtggttac	tcagcacttt	4980
tagatgctgt	ttataataga	tgaccttttc	taactaattt	acagttttt	gaaagataac	5040
tgagaggttg	agggacggag	attttcttca	agcaattttt	tttttcattt	taaatgagct	5100
cccaatgtcg	gagtttggaa	aacaaatttg	tcttttaaa	agaaggtcta	ggaaactcaa	5160
aacctgaaga	attggaagaa	atcagaatag	aaaatgggta	tggttatgat	actgtagatt	5220
taacgcagga	catttcatgt	tgttcctagt	tataggggct	gaacttattt	aatagcacgt	5280
gcattttgat	ttttagattt	ttaagggaat	gtcaagagag	taatgattct	gtttcaggct	5340
tcaggccaga	ctccttcaga	gttttccaaa	acaaataatt	actgaatcat	taaagtaaaa	5400
tttctgagaa	tagatattcc	ttaatttcct	tcattaactt	tggccattaa	aagtcaagaa	5460
gctctctcat	ttattagcaa	acttttctcc	ttatgattct	attttgattg	tccttttgtt	5520
tgaggaagca	gcatatggtg	gttaagagca	taggatctag	aggcagatac	ctctgagtta	5580
agggtcccag	cccttcactt	gtgagcttga	gcaagttact	gaatgcctct	gagcctcttt	5640
cctccttttg	aaatgatgat	aagaatagca	gccatctgag	cagttattgt	aaaggttaaa	5700
tgagataatg	cttgtgaagc	acttagccca	ttgcaggagt	cttgatgaca	ctgtgtactt	5760
gaaaatagat	gttacctgtt	aaaattcttg	tttaaacttc	cacaactctt	aaaactcttt	5820
tttgctagtc	cttccagctg	tttcctttag	tttctttct	gtgtcttcat	gcatcttttc	5880
tatctcctga	aagtgaaaag	actaacattg	gatccagagc	ttgaaaagcg	ttttttcct	5940
gttacaatgg	gcaaaagagt	acatccttgg	gttatattgg	cacctagtat	cagttatttt	6000
tcttgagcat	ctgatctgct	ctctactcta	gtggaggcct	cctgcttcac	aattgctcac	6060
ccctgtgttt	tctccccaaa	tagaatactg	agtttactct	ggactctaga	gtcaaacata	6120
cacagtattc	tagtcttact	gttcatttaa	gcaagatatg	tgcaagacac	tgcattctta	6180
gtactggcag	taagttaaaa	catttttcgt	cttgatgcca	aagtttagac	aattttataa	6240
aaattaacct	ttgtaaaaga	taatgagttg	ataaaatatt	ctcagtaaag	cagctacgtg	6300
gtagaaaaac	tgtcctttgc	ttatgagttt	ctccagagtt	aagaccattg	ggttccatct	6360
gaaggcaaga	cttcaagctt	gtcttactgg	tctgttttgt	ggctcaattt	gtatgaagtc	6420
tatgcactct	tccacacgtg	tgtatttact	gaactatcga	gttattttag	actgagaaag	6480
tattggagtt	cattcctacg	gtccactgca	gagcaccttg	tgcagtttgg	agaatgtcaa	6540
cttttctacc	tgttaacttc	cattgtcttt	acttttaacg	ccattgtctg	tgactctaat	6600
ggtgtcacgg	ctcagggttt	agattttgtg	gttacattct	attcttgtat	gtcaagagtg	6660
			Pá	age 8		

gtgtatagaa	agctgagggg	gattatttag	tctcttgact	gattttttt	ttttttctga	6720
agaactcagt	ttattatgtt	tggtggtgaa	ataaaaattg	atgtgcatgg	atgttaaaga	6780
tttgggttaa	attgtgtgtt	catagatgcc	ttctcttagt	atataatttt	ttaaatttag	6840
atacttaaaa	tactgtatcc	ctttatctaa	gattaacata	agtctgtttc	ttaaccagga	6900
taaaaaaatc	taaatttaaa	tgtgatgttg	gatgagtttc	caatcaagaa	attgatttt	6960
taaactttgt	gactagttat	ccagtgggtg	gattttaccc	agtgtgtgta	tgtgttttct	7020
gcttaactct	ggaaggttag	aaagagaatt	tgaaactaag	acaagccaag	cttcttgttg	7080
ctcagtattt	ttggtaaaaa	tatggtcaga	ttgtttaaat	taactatagg	ctttggaatt	7140
ttaaaaataa	ttatatctct	tggtctcttg	acacatcaag	aattaactgt	tttgtatatg	7200
cgttgagtat	taatgttcat	gttttctgca	gtagaaattt	ataaaccctt	atttatttgc	7260
cagacatgat	ccctttagag	aaatctagta	tctaaaacct	gaattttaa	aacaaaattt	7320
aaaatttttg	tttcataaaa	acaaaaatgt	gattacctca	tggcttttt	cttatagctt	7380
ttgattgttt	tttaaaatcg	tagttcaaaa	acattaacct	aaaatttacc	atcttaacca	7440
tttctaagta	ctgttcagta	gtgttaagta	tattcacatt	gtgccactaa	cttccagaac	7500
tttttcatct	tgcaaagctg	aaatcttacc	cattaaacaa	ctcccaattt	cccctctcc	7560
tcagcctctg	gcaaccacca	ttttactttc	tgtttctgca	aatttaacta	ctctagatgc	7620
ctcatataaa	tagaattata	gggttttaat	atttttgtga	tgggcttatt	tcactttgtg	7680
taatgtcctc	aaggttcatc	catgttgtag	catgtgtcag	aatttccttc	ctttttgagt	7740
ctgagcaata	ttccattata	tgttccatat	tttgtttctc	cattcatcca	gcaacggaca	7800
cttgggttgc	ttccacatct	tggttattgt	gctgctctga	acatgagtct	gcaaatctct	7860
ctttgaagct	ttcacttttt	ttggatacat	atccagaaga	gggatgctgg	atcatatggt	7920
aacccttttt	aattttcaag	gaaccaccat	attgttttct	atagcagttg	caccagttta	7980
cattcccacc	aacagtgcac	aagggttcct	atttctccac	atccttctaa	acacttgttt	8040
tctttctttc	cttccttctc	ttctctttct	ttcttagcca	tctaatgtgg	caaagtggta	8100
gccatctaat	atgttgaagt	gattgttttt	aagggcttgt	ttgtggataa	ttaaccagct	8160
gaaagctaac	tacagtttgc	cagtggaagc	tttaactgaa	aggagagtaa	gtacctctaa	8220
aaggagaatt	caatttttct	agtgacttag	atttgttatg	ccagtacttt	ttcacagaaa	8280
cactttttgg	gtaaaatagt	gtacacctgt	tctattgttg	ataaagccca	atttaattag	8340
gaaatttgtt	ctctaagatt	taaaacaata	attgaaataa	tgtattttta	ttaaaaactg	8400
ttcccaagat	gttagctttt	agctgttctg	gtgatctcaa	ctgttattta	tgagtgtttc	8460
tttattttaa	aatttcacct	taaccggtta	cagttttaac	cataaagatt	atttcaacat	8520
atgattttga	aaatttatta	tcttgtaaat	gggaaaatgt	agtgatggaa	catagtttac	8580
tgtatgtagt	tcttcacttg	tttgaaaagt	cacaatatat	ttaggcaaat	taatttaaaa	8640
gtgtctagta	tttaatattg	caattttcac	tcattaagga	caggtccccc	gtgtttcccc	8700
ctttttttt	tccaagtagt	ttgggaggat	ttgtttttcc	agctgaaaaa	tactatggtt	8760

aaaaataagg	tttaaaggcg	aaagttgaag	tctttgaggg	ttgggatacg	tttctgttct	8820
taagagtctt	gtaaattcag	atgctaagca	aatttcttta	aaatgatttc	taccctcccc	8880
ctttccatta	taaaactgga	tatgtttcag	tggaccaaat	cccaagtagg	ctgaatttga	8940
aatttgtggg	ctgggcgcgg	tggctcatgc	ttgtaatccc	agtactttgg	gatgccgagg	9000
tgggtggatc	acctgaggtc	aggagttcga	gaccagcctg	gccaacatgg	tgaaacccca	9060
tctctactaa	aaataccaaa	attagccagg	cgtggtggcg	ggtgcctgta	atcccagcta	9120
cttaggaggc	tgaggcagga	gaattgcttg	aacctgggag	gcggaggttg	cggtgagcca	9180
agatcgcccc	attgcactcc	agcctgggtg	acagagcaag	actgtgtttc	aaaaaatta	9240
aaaaagaaat	ctgtggtgtg	aatactggta	cgtggtgtac	acagtgagct	cttaataagt	9300
atttgaatta	acaaatgaga	caatgattga	ataattggat	gaacaaagag	aatgcaggtt	9360
tttaaaaggt	ttctttagaa	atattgtcgg	cccggcacgg	tggctcctgc	ctgtaatccc	9420
accattttgg	gaggccgggg	caggtgaatc	acctgaggtc	aggagttcaa	gacaagcctg	9480
accaacttgg	agaaaccccg	tctctactaa	aaatacaaaa	aaaaaaaaa	aaaaatagca	9540
ggatgtggtg	gcacatgcct	gtaatcccag	ctactcggag	gctgaggcag	gagaatcgct	9600
tgaacctggg	aagcagaggt	tgcagtgagc	caagatcgcg	ccactgcact	ccagcctgat	9660
gacagtgtga	gatgctgtct	ccaaaaaaaa	aaaaaaaaa	ttaaaaagaa	tgttttaatt	9720
ctttagttcc	ctgtctgaga	ttcactgatt	ggtaagaaga	aagttaaaga	atctcctttg	9780
acttttttg	atatagatat	ttaaattcta	ttactttata	gtaaggttgg	ggtttatttt	9840
ctttgcttta	taatagaaga	gcattgatta	ttctctttgc	tttataatag	aataccattt	9900
aaataggagt	tccctgagtg	tgtttacaat	catttgatct	ggctaaacta	ttttaatgtt	9960
aatgaaattt	taaaattttg	gaggaaaaaa	tttaaaaact	acacaggtgc	acaaagaaat	10020
aaaaatcacc	tgctttttca	ctatgtagag	accattgtct	actatttctc	aattctgtgt	10080
tacatctgta	tgttaataac	tgtaggatta	gggactgagt	actgtttta	acctgctttt	10140
aaaaaattta	catctacatt	ttttcccatc	taaatagtga	ggaagagtat	cagaattttg	10200
taggcttgtg	gtgatggtta	aattagataa	tattaatgtt	gggtacttaa	cataatatat	10260
ggctcttaat	actctccaga	tttcagatat	agtctgtttt	accattactg	cctttttatc	10320
aaacctattc	tcaaaaaagt	gagaaaagtg	ctgagattac	aggcgtgagc	caccatgccc	10380
ggcctcatgg	ttctttctta	ataataaatt	agaagaagta	gaattacagg	gtcaaaaagt	10440
atccatttta	aagctttcaa	tgtaattgcc	tgtttatctt	ctagaaagtt	tgacctagtt	10500
gtattttaga	gtgtcatttt	cttgaacttt	atcatcatta	aagttttaaa	tttggaacac	10560
tggcaatttg	ataagtatat	taggattctt	cttattgcaa	gtagcaaaat	acaactcaat	10620
ctagtttaag	aggggaaaat	gtagtcattg	gctaacacaa	tctaattttg	gtttaagaga	10680
caaatctaga	gtctcaaatg	atctcagagt	gtaataatcc	ctgacttttg	tcttgatatt	10740
acttggcttg	tatacctttg	ctctatttgc	atgctggcct	tactctgcca	ctgacaggct	10800
gtctgtatgg	tgtggaagag	gacggctagc	atccccatac	ctgcatccat	acagtttgta	10860

atataaaaaa	aaaaaaagta	aaaaaaactc	cctctctctt	ctagtgtcta	tatatcagtt	10920
tcctagaaga	aaacgttttg	ccctacttgg	ccatgtgaat	ggagttccct	gattacatga	10980
gtcaaatatg	tcttattgta	gcatatttga	tggtcttctt	gtagaatatt	atcttactat	11040
acacagaact	cttgaccagt	aattaatggg	ccatgagttt	ttgttgcaag	tcatttgaat	11100
tcatattcta	tagttttcta	ccaagtgtag	tcattctgca	agctgttctt	gtcatgactt	11160
ttgggaagtt	gagtatttct	tctatgggtt	agggttttca	tctcaagaaa	aagatgatcc	11220
ttttctctac	taaatatgtg	ttaagatcac	acatttttct	agatcgttta	gctctactgt	11280
gtgatcttac	acaaattgct	ttattgggat	gataagaata	attgccttat	aggattgtta	11340
tgagaatgaa	atgatacatc	aactcatatg	aaacactcag	aacagctctt	ggcacaaagt	11400
aagggcttaa	ttaagtagaa	actatccata	tattcataat	attatagtat	tggttaagtt	11460
gttttcaaca	ttgtttagaa	tcgctcaagc	cttctttgtg	ataatctgac	gaaggctatt	11520
caccaccagt	gagtaaataa	tagtggcaga	atagttactg	atgcttttcc	tttacttggt	11580
ttttttcca	taaacatctg	gcctttgcag	actaaatact	ggtttatgta	tagacatgtt	11640
attctaaaat	aattttccat	agtggtaata	ctaaaggaag	aaaaatgttc	tcaaagctat	11700
ttatttggga	tgttaaagga	gggggaaatt	aagaaagcct	acatttccat	gtcctttgtg	11760
tccagaatct	cattaaatgt	cttttaactt	gttagcagag	gaaagttgga	tattgcctgc	11820
ctttgtagct	aacatagtta	aaatatttaa	atggttatag	tgtcaaacca	gtagtcaaag	11880
ccttcactgt	gaatggatga	agggatattt	tcttgaataa	tttaagttga	cttatttcag	11940
tggttcaaaa	aatttcttca	acgcttaacc	atgactcagg	cacctaacta	ttatactatg	12000
tcctgtaaca	gattgttgtg	cattcattta	ttcaacaggt	atttgtgcag	ctaatttatt	12060
gagtacagca	ttgaatcgtt	gatggcttag	gccacagttg	aacattccat	tttttatgtt	12120
cattcattca	ttcatagcat	attccatttt	taaattttca	gttcattgca	ctttaaagtt	12180
tgaggttctt	gcgaagtaca	gacttttggg	tttaagtttt	gttatttaat	gtcaaccacc	12240
acaggcgcat	tggccagtct	gcttttagaa	ttttcagaca	tacatacaca	aaacattctc	12300
acaagacaat	ctacttattt	tctttttat	tcctgtgttt	cttaacacag	gattaatgtt	12360
cagatctctt	ttggagcaaa	ataatcctct	gaatttttga	gatgtaccca	gtgacctcag	12420
tctgagtatg	tatactgcat	taaaaaatgt	aaccttgttc	cttttagtgg	tcatttggta	12480
acagtttgat	cataaacaaa	tgcagcctca	aacacagaag	gcttgaggca	agtatacaga	12540
actatggaga	gatcatttag	atgatgtaga	atatgccttt	tctttttta	caatgccacc	12600
aaaatgaaaa	cacggtttta	aaaattctca	tagagtgtaa	cttcaacact	gctttaactc	12660
tattaaacaa	agcactgcca	tgttgtaatt	cctatttatt	actctctgga	gttgtataaa	12720
ttaccaaatc	cgccttttgt	ttgatatcct	tttcaaatat	ctgagggtag	ctatcatgtt	12780
tcttccttct	attcttaaaa	aatagtccca	aatttcttga	atcttttaat	ttaaaaatta	12840
tatattgagc	atctgatttg	tggaaaggca	taggccatat	taaaaatggg	gcttcatatt	12900
aaaatgggga	aaagggtgga	gattctcagg	tggaatctga	gatctgccac	acactaatag	12960

tgttacctaa	ccctttttaa	agacaaagaa	acaggatcag	aaggtcactt	tggaaaattt	13020
atttggtaat	attggatagg	atggattagt	atagttggaa	aacagagact	cttgctttag	13080
gagagctgct	cctttgtcat	ttccagaatc	ttaatcatgg	tcaaggttta	gagctaaata	13140
tttaatagaa	gaagtcttta	gggtatgctt	tctattgtac	acccttattt	caatacatgt	13200
gtttttcct	gttatgtaag	tactttatta	ttatttatgc	atcttctatt	aaagttaagc	13260
aaataattat	ttcaaggaca	cattcttcta	catacacaca	aagtttaggg	tcactgacct	13320
tcttaggttc	tagtcttaga	tctgttacca	tctaagagca	tataaataag	ggaaacagaa	13380
agaaaaggat	ttacaagctg	agaaggaagc	aatgcagaga	aagaagagtg	atagagtagg	13440
taatttgggg	aaagtcagtg	atacacagct	cttaaccatg	aacagtgatt	cttcactctt	13500
gaatgtttgt	gacattcatg	aaggtattaa	aagctgactt	ttaaaaaatt	gtttcagaga	13560
actggaaaaa	aattcagttg	ccacattctt	ccttaggtca	tctttgaact	ctactcatgc	13620
acttacgtgt	ttaaggcaaa	gttttactaa	acgcacactt	gttcttgctg	gcttattgac	13680
ttttactgct	agcttcttat	tcttagcaat	tatacctcac	attacatagt	attgtgaaac	13740
tcactatatt	cagtgttttg	cctgacaaac	atggtatgtt	ataggatgtg	tattcagtta	13800
tagctaaaaa	taaattattc	tcgtttttca	aaatttgctg	gcctacctgt	taagcttttg	13860
ctttaagacc	tgctaatgtt	tctcaaactt	ctgtggttaa	atcacctgag	tgtctagttg	13920
ctctatggat	tcccagggac	ccattcgcca	gagattctga	tttggtaatt	ttgggatgga	13980
actcagggat	ctgtaaattt	tacaagcact	cagaaatgaa	acatagactt	taaacagcta	14040
agagtgctca	tcaggattat	gttgatatta	ttttttaaac	agatgtgcca	agcctttaat	14100
ttgaatttcc	agggttggga	tttggccttc	tatatttggg	ggaaaaaagt	tctattgatg	14160
attgtggata	tataccacag	gtcaaccatt	gaatagtcta	gtcagtgtag	ttagtgtatt	14220
ttataattac	taagttctaa	gtatgtggtg	tattaatgtc	ttaggaggtg	gatatatttc	14280
ctgtatttgt	aaagcatttg	ggtaggtttt	ttaaagagaa	aagtatgtaa	caaactagtt	14340
ttgagcgttg	ctcttttact	tctttgggca	tttttgaaga	acacgttaag	tatcttctta	14400
gagcagaggg	gctcagagtg	gtccccagat	tatcatcatt	ggtaacacct	agttggtgca	14460
ttactaactt	gttagaaatg	cacattctca	ggcgccattc	agacttcata	aatcagaaac	14520
tctggaagta	aggctcagca	ttctgtgttt	ttttttttt	tattatactt	taagttttag	14580
ggtacatgtg	cacaacgtgc	aggttagtta	catatgtata	catgtgccat	gttggtgtgc	14640
tgcacccagt	aactcgtcat	ttaacattag	gtatatctcc	taatgctatc	cctccccgct	14700
cccccaccc	cacaacaggc	cccggcgtgt	gatgttcccc	ttcctgtgtc	catgtgttct	14760
cattgttcag	ttcctaccta	tgagtgagaa	cacgcggtgt	ttggttttt	gtccttgcga	14820
tagtttgctg	agaatgatgg	tttccggctt	catccatgtc	cctacaaagg	acatgaactc	14880
atccttttt	atggctgaat	agtattccat	ggtgtatatg	tgccacattt	tcttaatcca	14940
gtctatcatt	attggacatt	tgggttggtt	ccaagtcttt	gctattgtga	atagtgccac	15000
aataaacata	cgtgtgcatg	tgtctttata	gcagcatgat	ttataatcct	ttgggtatat	15060
			_			

acccagtaat	gggatggctg	ggtcaaatgg	tatttctagt	tctagatccc	tgaggaatcg	15120
ccacactgac	ttccacaatg	gttgaactag	tttacagtcc	cactaacagt	gtaaaagtgt	15180
tcctgtttct	ccacatcctc	tccagcacct	gttgtttcct	gactttttaa	tgatcgccat	15240
tctaactggt	gtgagatggt	atctcattgt	ggttttgatt	tgcatttctc	tgatggccag	15300
tgatgatgag	cattttttca	tgtgtctttt	ggcagcataa	atgtcgtctt	ttgagaagtg	15360
tctgttcata	tcgtttgccc	actttttgat	ggggttgttt	ttttcttgta	aatttgtttg	15420
agttcattgt	agattctgga	tactagccct	ttgtcagatg	agtagattgc	aaaaattttc	15480
tcccattctg	taggttgcct	gttcactctg	atggtagttt	cttttgctgt	gcagaagctc	15540
tttagtttaa	ttagatccta	tttgtcaatt	ttggcttctg	ttgccatggc	ttttggtgtt	15600
ttaaacatga	agtccttgcc	catgcctatg	tcctgaatgg	tattgcctag	gttttattct	15660
acggtttta	tggttttagg	tctaacattt	aagtctttaa	tccatcttga	attaatttta	15720
gcataaggtg	taaggaaggg	atccagtttc	agctttctgc	atatggctag	ccagttttcc	15780
cagcaccatt	tattaaatag	ggaatccttt	ccccatttct	tgtttttgtc	aggtttgtca	15840
aagatcagat	ggttgtagat	aagcggcatt	atttctgagg	gctctgttct	gttccattgg	15900
tctatatctc	tgttttggta	ccagtaccat	gctgttttgg	ttactgcatc	cttgtagtat	15960
agtttgaagt	caggtagtgt	gatgcctcca	gctttgttct	tttggcttag	gattgacttg	16020
gcaagcattc	tgtgttttga	gaattcttcc	aggggactgt	gatgaaaact	gacgtttgag	16080
aaccttcatc	ttagagtaaa	aactttacat	acacatttt	gttgttttat	ttatctagca	16140
caatacttct	tttttttgaa	atggagtttt	gctcttgttg	cccaggctgg	agtgcaatgg	16200
tgtaatctca	gctcaccaca	acctccatct	cccaggttca	gttgattctc	ctgcctcagc	16260
ctcccgagta	gctggggtta	caggcacgtg	gcaacatgcc	tagctaattt	tgtattttta	16320
gtagagacgg	ggtttctcca	tgttggtcag	gctggtctcg	aactcccgac	ctcaggtgat	16380
ccgcccacct	cagcctccca	aagtgctggg	attacaggcg	tgagccactg	cacctggcac	16440
aataccttat	atataatcag	ggctcaaaga	tttgttgaga	ggctcaacac	caattctgga	16500
ccaggaaaga	ttttatttat	atcactagtc	aggaataatc	taaaaacaaa	aagcacattc	16560
ttcttacaag	taatatttca	atacacatta	atgtaaacac	atggaaaagt	attagctact	16620
taataaatta	acatgtaaat	gaaaaattta	cacattatgg	ctatttcaga	tgtgatatag	16680
atttcatttt	cagaaggaac	cctccaatgt	aaaacagtga	ttcttttccc	cgtttatttt	16740
actgcattag	aaaatcacat	ttaaagtaag	cattttggtg	aggtttggaa	ggtgaataaa	16800
tccatctttt	ctttaattat	ggatatttaa	gagagatgtt	gttgtgccgt	ttagataata	16860
atgatctaaa	ccaagaaatt	tagttgcttt	caaaaataaa	ataagtgtat	gcattctgaa	16920
catttttctt	tagaaacaaa	ccatttcatc	tgttttttg	aatttcaaat	taattataca	16980
gaattttcaa	aatttgaaaa	ttaggttagc	atgagaaact	gaagatactg	aattatattg	17040
cctgttcagt	ctatactttt	ctttaggata	tacagtagga	aagaaatatg	atagttcaag	17100
ttagattact	acttctttca	gagtttttg	acaaatgcag	gtacagtgat	agtgtcagtt	17160

catggtgaat	ttttgttaaa	ataaattaca	aaaaatttgt	gatcctggta	tcttgaaact	17220
agttaatatt	tgtaaacttt	gctaacactg	tatatcactg	tattctggtt	ttatctgtgc	17280
atctatgagt	tatatgtgtg	tatagctaca	tatgtttata	tttatacaca	tacattacac	17340
acaggagtgg	aatcatactc	aattttttt	gtatagcctg	ctctgttcat	ataatactat	17400
attgtagcat	ctagtataag	caaagattaa	tttttgtaga	ctttgctttt	atcctgaaat	17460
tttgtggtag	ctggtttaat	ggaaagacaa	tttctgtgac	gtgttttgtc	agttagggat	17520
tgaccctggt	aaaatattgc	tggataacaa	caagcaatgt	aaaaatacat	ttgttccata	17580
agataacctc	cgtgaaggta	gagacttggt	ctgttttgtt	tattgcaccg	tgtcctgttc	17640
tgggaagagt	gttagactca	tagaagatga	tcaagaaata	ttttttgaat	acatcaataa	17700
cattctctaa	catgtgggta	tcctaaaggt	ttatttttaa	agtttattga	ttagaattca	17760
gaagatattt	tcccagataa	aataatagat	tgctagctgt	cttgaaaatg	taatttatat	17820
ttaatttgaa	atgtcaggtt	tttgctattt	tttccattaa	gtagagatag	ggtttttaaa	17880
aattacatgt	gatgttttaa	gtattctggt	tttgcaacaa	ttactagata	gaaaatgtaa	17940
caacagatcc	tattaataat	acttccaata	atacatataa	aatacttgtc	taaaagtaac	18000
cctccttaaa	aaaacaaagc	tggccaggcg	cggtggctca	cgcctgtaat	cccagcactt	18060
tgggaggctg	aggcaggcgg	atcaagaggt	caggagttca	agaccagcct	ggccaacata	18120
gtgaaacccc	atctctagta	aaaatacaaa	aaattagccg	ggtgtggtgg	caggcgcctg	18180
taaccccagc	tactcaggaa	aatcgcttga	acctgggagg	cggaggttgc	agtgagcgga	18240
gatcgcacca	ctgtacttca	gccttgggca	acagtgcgag	actctgtctc	aaaaaaaaa	18300
aaaaaaaaag	gcaataggat	taggtatcaa	cttaatgaaa	acttcgtgac	agcactttct	18360
tgaaaaagac	tgtggaaacc	aaagttagta	aactcctgtt	tctgcctggg	ttcggaaaac	18420
ataaagatga	taaagatgtt	taagtattcc	tttttttt	tttttttt	tttgagacag	18480
tgtcttgctc	tgtctggagt	gcagtggcac	aatcacagct	cactgcagcc	ttgaactcct	18540
gggctcaaat	aatcctcctg	cctcagcctc	ctgagtatct	ggaactacag	gagtgcacca	18600
ttacactcgg	ctagtaattt	gattggttaa	gaacattaac	tataactcac	acattttcct	18660
gaccacattt	gcttaggaca	aaacagtaaa	agacatgagt	gtagatgaaa	gcgataaggg	18720
aactaatctt	aaacactgaa	cctcttttca	gcaaattggc	tttctagttt	ctcagctctc	18780
tctttacacc	tctaaatctc	tttcctggca	agatcattta	tttgccttgg	tttatggtga	18840
tactcttcat	tgttatactg	gtgggtgatt	gttttaattg	atagctgttt	ttttctactt	18900
caggaagatg	acactgctgg	ctctgctggc	tctgatgttt	accttgtggc	taatgcctgt	18960
gtttgcctgt	gttcacattt	attccacgat	tcatttgtta	acatttacta	agctgctttt	19020
ctgtgccagg	aacttggcta	gataaataaa	tggttgtttt	tgtacacaga	attagctgtc	19080
ataatcagtt	actgtagcat	ttattcttgc	aaaaatatat	atttatactt	caactagtga	19140
tcgaatctca	acttattaat	tcatacattc	agccagcaca	taattgaata	cttcttatgt	19200
gtcagaaact	gttctaggtg	cttgggatgt	tcattgaaca	aaatagacaa	aagtctccgc	19260

ctctatggaa	cttactttcc	agtgaaggtg	tggattggtg	ggatagaaaa	taaaataatc	19320
aagtaagata	tgtacttagg	ctttcataaa	aatacagcag	ggcaagagga	ccaagatgga	19380
ggcagtgatc	agggaatctc	aatgagggtg	agactgcgac	aaagacttga	aaaaggtgga	19440
gaagcaagcc	ttgtgggtat	ttagggtagc	agtagtccag	gcaaggggaa	caactagtgc	19500
aaaggctcta	ggaggcaatg	tgtttgaagt	gttttaagaa	cagtaaggag	gctagtatgg	19560
ttagaacaga	atgagcaaag	ggggcaaagt	ggtagaaggt	gagatcaaag	aggtaatgag	19620
gccattgtgg	aggcccatat	ggactattgg	aagggctttg	gcttttactc	taaatgaggc	19680
aaaaaccatt	ttaagcagag	aggagtgata	tgacttgatt	tcttgttaaa	aggattattc	19740
tagttgctgt	tacagaaaaa	gattacaggg	gtgcaaagaa	acagggagac	aaaagaatat	19800
aagattttca	ctgtaactta	tatctagtat	gcttgcttat	acttgaaaat	gcatatccag	19860
ataattgtag	taaattcaaa	tattatgttt	atttaatagt	actaacattg	atatgctggt	19920
taattatgat	taggagcact	aataaagcac	aaatcaggga	ttcccaaaaa	gaatgttgaa	19980
agggcagtca	gcttttcctg	tgccagaaat	caaagtcata	gcagatttgg	ggcaaatatg	20040
tcaaagtcaa	acttacgcac	atcactactg	agaagacaaa	gatgaatgtg	tgacagtttc	20100
ctgcccccaa	gaatctttaa	gcattgtgaa	ggaagattaa	tatagccaaa	taactagagt	20160
gatcagttct	accagagagg	accagttttg	gaagccagag	gaaaaaaaaa	aaaaacagaa	20220
acaaaatgat	gtttgaatta	aatctttaaa	agtttctctt	ataaatttac	caagccacat	20280
attgggaatg	gtaccccagg	cagaaggagt	agagtaagca	agccagaaag	gaaatactat	20340
ggtgcttttg	agtaactgca	gtgtggctga	agaatgtgga	aaatgatgag	gataaagagg	20400
tggacaggga	actaggtaag	ggagggcttc	cttttaaata	attagacctt	gtcctgtgta	20460
catttaatgg	gattttaatc	aggccataat	gccaaatttc	tttacttcgg	aaggatcttt	20520
atggtgatgg	tttcagaaag	aaattaaagc	agagtaacag	tggttagcaa	taatgatcag	20580
ctagtggttc	ccaaacttac	gtatcatatg	catcttggaa	gtttttaaaa	actcagattt	20640
tgggatcctg	acttagatct	actgaatcag	aatttacaga	ttcaaattcc	cagtgaggcc	20700
taggaatttg	aaatgttgaa	tgtccttcac	gatgcagcta	gacaagcatt	tgggaataaa	20760
gcattaggtg	actatttcag	tagactaagg	agtgggaggc	catttaagct	caaaggctat	20820
tctacttctc	actatatttc	tagtacctag	cacagtgcat	ggtacttgat	agatgcatcc	20880
tttctcccat	acctcgccct	acacatctct	tcatgtgtat	ccttattaat	atcctctatt	20940
ataaactggt	aaacatgttt	ccctgagttc	tgtgagctgc	tccagcaaag	atgggtttgt	21000
gagaatccca	acttttgaag	cctgtcagtc	agaagttcct	gaggccagac	ttgcaactcc	21060
tgttgagggg	gcagtcttgg	ggactgagcc	ctcaacctga	cactgtctcc	aggtagatag	21120
tgttagaatt	gaattgaagg	acacccagtt	ggtgtccgct	gcagaactga	ttgctcacct	21180
ggtggtggag	agaacccctc	ctctcccgat	agggttgcag	aagttgtctt	ctgtgttgtt	21240
gattgctgtg	gtgtgggagc	agagggggga	aaaaagctgt	tggagagttt	tttccaaaac	21300
aataggagat	tatttagatt	tataaaaata	gaatcaaagt	agattaactg	agcacattgt	21360

gaaatataga	gtagagctgt	gtgtaaggag	tatatcttaa	tgtcaagctg	acaccaaatt	21420
gaatgtttgc	tggaacgttc	aaaaatctaa	gcttcccaaa	tctgtgaaaa	cactcaggtt	21480
agtaaacagt	cttatgcaaa	cagcaagaca	atgctcaaag	ccatttaagg	aaaaagaaca	21540
gtaactgaat	tctcttatgg	aaatgtgaga	tgttgtttta	gtaagtactg	atggtgttat	21600
actttttgtt	tattcgtttg	ctggtatttc	agttcctaaa	attccttcaa	atatgctgca	21660
aaatacaaac	caagaacttg	gtggattttc	catttgtttt	cctgtgggaa	atgatggaat	21720
taaaaacctt	gaggattaga	ccttgagagt	taccttccag	tgtttatgcc	accattatac	21780
aaaattctgg	aggacaaaac	ccttcccact	taaaaaccag	ttagtttcag	aaaatcacct	21840
catgttagga	gactgcatca	ttatagtatg	tgtgttagct	ttaggtatag	atctaaaata	21900
tttttaatat	tttaaaaact	taagcctttc	ttcattaatt	tggcctaata	caagttagaa	21960
taactttaaa	aatgagtaca	aacaacaagg	aagggccagg	cgcagtggct	caacgcctgt	22020
aatccgaaca	ctttgggagg	ccaaggtggg	cagatcacct	gaggtcagga	gttccagacc	22080
agcctggcca	acataatgaa	accccatctc	tactaagaat	acaaaaatta	gctgggcgtg	22140
gtggcacacg	cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaat	tgcttgaacc	22200
caggaggcag	aggttgcagt	gagccgagat	cgcgccattg	cactccagtc	tgggcaacaa	22260
gggtgaaatg	ccgtctcagg	aaaaaaaaa	acagtttctg	tgactgctag	acaaatgttg	22320
agcaagtaaa	acaccaacaa	tgttgaactt	agatattgaa	atagctgctc	tgtacaaata	22380
aagtctactg	ggagtataga	ctgaattacc	atcttttgac	tctttcgcca	taatgattgg	22440
cattaccgga	agggattacc	ttgctttgaa	gagctgctgg	acagtagagc	agagagcatc	22500
tattaccatt	gtaggtgcct	ttcagttagg	attttggatt	tataagcaaa	ctccaagaaa	22560
gagcctggtt	ctgagtttct	ctgaatagct	taggtcaagt	cctaaattct	gaagccaact	22620
cctataattc	cttctttatg	tctttggcat	gtgaagtagg	caaatttcga	actttataat	22680
aatagcctag	acttacaaat	acttgccttg	gtaatcagga	tgagtttttg	agagacaaca	22740
tagtctagtg	ttaatcgcgt	ggacaccaga	ctgcttgagt	gaaatacagg	ttctaccatt	22800
tattaacgga	gtaatgttgg	gtaagctatt	tagccagggt	ccttatctgt	aacatggtga	22860
taataataaa	gattaaataa	taggtgaaaa	atgtttagaa	taccactgtg	ttattagtaa	22920
gcaccatgca	taggtgtttg	gatttaaaaa	tactggcaaa	ggccaggttg	ggtggctcac	22980
acctataatc	ctcgcacttt	gggaggccaa	ggcagaagga	tcgctttagc	ccaggagttc	23040
aggaccagtc	gaggcaacat	agattccgtc	tctgcaaaaa	atttaacaga	attagttggg	23100
catggtagcg	tgtgcctgta	gctacttggg	aggctgaggt	agggagggg	aggattgctt	23160
gagcccacga	tttcgaggct	gcagtgagct	tatgatcatg	ccactgtact	ccagcttggg	23220
tgacagagca	agactctgtc	tctaaaataa	aatgaaaata	aaactgcagg	caaaaatgcc	23280
aactgaagag	tgaacatgaa	cttttctttg	catttttctt	gggcctgaga	ctttaagaag	23340
tgcagggcag	ttaaaatgat	gagatataat	tctcacctat	cagctcagca	gaaattaata	23400
agattaaaaa	gatgcgtaat	atataatatt	gcagagtgca	tgggggaatt	gatatacaca	23460

ttcatgaact	ggcagagaca	aaaatgggca	cagaaccatt	tggaaagcta	ttgtgtattt	23520
taaaaaattt	cagtagcaca	tttttatat	catgaaattt	cacttcagaa	tgtcagtcct	23580
gtagaaatac	tgacgcaagt	gcaaaaacaa	caaaaaccaa	cttgtacctt	caaggccaga	23640
aagagttatt	tcaccaaata	acataattga	ggtacattaa	ctttattaga	agtaaatctg	23700
ataatctgct	cacattttaa	atagttatgg	tttaacttca	gttcttgaag	tcacatattt	23760
ttacaattag	gaatgctaac	aggctttttg	tgcaatacga	aaagatgact	ttaaatgcct	23820
acaattattt	tgtgtccttt	tattttttt	taatttttac	tgacctacta	caaagcacta	23880
aatatttat	gttcttaatc	tgaagaacaa	tagacattct	ctataaaaca	actcttgctt	23940
attcatgaac	tttgtacaca	agaagcttaa	taagacgggc	tcaaaattat	ttttctaaat	24000
atatttccta	tacaaaataa	tttcaagata	taattgttac	ttttgtgtct	aatactgtat	24060
gttaaataat	aaaatggtaa	gcatgtaaaa	actacaatac	cacaaagatt	gagctatttt	24120
gccagtagta	tactccaact	ttagttctag	aacagttgta	gaaatgggta	aacaaactgt	24180
tttaactgta	ctcttaactg	aaatatagta	ccttatgcag	tagcagaaca	tatcagcaga	24240
agaacttcac	ttgacctgta	cttaaaaaca	aaacagatgc	aatttataaa	atttagagaa	24300
atatagtgac	cttatttgca	tgtggaaaat	gtacttcttt	ctgatctaca	tatcttctgt	24360
tgtgcaatgt	aagcagtaaa	acaaatagta	caggattcat	ctctgtggga	cctagacccc	24420
ctggtctaac	aaataattct	tggtcagtac	tgtaattctg	tggtataaaa	ctgataaaat	24480
tagccttcct	gtgactagac	aagaagccgg	gcagtttaaa	tgctgaaact	cacaagaact	24540
tcagaagctt	tagctttaag	ctttaagctt	acttagaaat	gttataagac	ctccagtagt	24600
cacatatgaa	gaatatcatg	aagatttttc	cattaaatct	ttattataga	tcccttgatt	24660
ggtttctgtc	tagactcatt	gtgtgataaa	ggacataata	atttttatca	ccttcatcta	24720
atataggttt	gtcaactcta	tattagttgt	tttcttgaag	gctggttttc	ttccaaaatt	24780
cagtcttatt	ttcagtctac	actagctttt	aaatatactg	tcctttagat	gctttatcta	24840
acctcaaatt	tctaatggat	ttgtcttaga	cacttattgc	cactccttag	atagtcattg	24900
ctatctttga	agttctggac	gatacgtgta	ttacagagga	actggagaca	ttccatcacc	24960
atagttagct	tgattggata	ccctttaaaa	gcatatactc	gcgcctgtaa	tcccagcact	25020
ttgggaggcc	gaggcgggtg	gatcacttga	ggtctggagt	ttgagacaag	cctggccaac	25080
atggtgaaac	ctgtctgtac	taaaaataca	aaaattagcc	tggcatggta	ccacatgcct	25140
gtaatcccag	ctactcagga	ggctgaggca	ggagaattgc	ttgaacctgg	gaagtggagg	25200
ttgcagtgaa	ccaagatctt	gccattgcac	tccagcctgg	gtgacaagag	cagaactcca	25260
ttaaaaaaaa	aaaaaagcat	atatagcaca	tattataagg	ttttcaattt	tttcaccaag	25320
tgtttcattt	gggtagtcat	ttattggtag	tttacatcag	ttgagtggtt	cagaaaaaat	25380
acagtaagtt	gcttataaaa	ttctgaacac	tttggccagg	cacaatggct	caagcctgta	25440
atttgagccc	tttgtgaggc	tgaggcagga	gaattgcttg	agcttaggcg	ttcaagacca	25500
gcctaggtaa	caaagaacgc	ctggaatgat	tgtggcattt	gaactaatat	tcaggtttaa	25560
		•	_			

caagagataa	ttgaccatca	ctctatttta	gaggctttat	ttgaaccaga	tagaaatcta	25620
tttcccacag	ctatcactgc	ctgtcaccta	caacttaagg	gggttgggga	ggaagtgaga	25680
gattttctgt	tagggccaat	agggacctgc	tagatacccc	cccatcctgg	gaatggtgta	25740
tggaactcca	gtgtatgctg	gagttattat	catcatactt	gttttttat	tttactcttc	25800
tgcttataca	gatcaagtct	tacgttttat	ttttaagttt	aaattgaaaa	catttacaga	25860
gaacaatgca	gtgaaatgaa	aaaattacag	actgctggca	tttgcatttt	catgtagcct	25920
cagtgactaa	tttttttta	ttgtacagca	ttgagaaaat	cctagttcat	ataactagtt	25980
atagttcata	tagattcata	taactagttt	taagtgataa	tagtttcttc	cttttttcc	26040
tccaccatct	aaccagatga	agataatagt	ttttaatagc	tcaccgtaaa	tttcaaggta	26100
ctcaagttaa	attgatctag	atgcttgagt	tgaaattttt	ctatcaaagt	tcaataacat	26160
gcttacattc	cttattaaag	tataaaagtc	ctataaacac	acaaacttga	gtaagtacta	26220
aaactagtat	cagtattgtc	acaatacaac	atgttatatt	gtaacaagag	catttgctga	26280
gaactgtgct	tgttactcca	gaatgttgct	tctatggttg	tacctttcaa	ctttgcagat	26340
catttggaag	gaggagagat	ttggggtgga	gacaattcgg	tacttcattc	acaggatgta	26400
aggaggatta	agtaaaataa	tgctggctaa	aagtccttat	ttagcatact	gcccaatgct	26460
cactaaatca	taatagctgt	ttttaacatt	tggtgaagaa	tctatttaac	aggagtgagt	26520
tgaggggcat	aggagatcat	gtgagtgttt	aaagtagaag	cagcattccc	cattaagaag	26580
agaaatactg	tggaagagca	aagactttaa	aacacctggg	ttcaaatcct	atttgctaca	26640
taatggctac	ttttaaccta	ttgaacgcca	gttccctcat	ttgtaaaata	gggacaatat	26700
ttaacctatt	tacaggttgt	gagagaacta	ggcacctagt	acagggtaat	gttggcacat	26760
ggtaaccttt	aataaactgt	tgctattcaa	caagctatta	gatgtcacta	ggcagttaag	26820
caaaggaaga	cagcttttgc	ttggtgtgac	aatgaaaatc	tttctgattt	ccttcttgga	26880
agagttccct	gaagatatgt	cattgtattg	acacctttat	ttttgctaac	ctatccctct	26940
aaattctgga	tattgtgtgt	gccacagctt	tttttcttcc	atattcctgc	atttatttgg	27000
cacctgttgt	gccagtaata	gataaggggc	tgctaaggga	ggaggcaacc	tgcactggct	27060
tatagctgct	aatgtcagtt	cctatagctt	atcgtcagtg	ttattcatgt	ggtaaaaggg	27120
tgagaaagta	ctggagtcta	aagaaacaag	tagaaatcag	tttgtagcta	ttaccgttct	27180
acctgctaac	aactcctgtt	ttcaagttat	tatgtacaac	tttaggtagt	ttctctagcc	27240
ttaatcgtgg	tttctctgta	ttgagactac	ttttgaattc	tatgaagtac	agccttagat	27300
gtacaggcta	ctttaaattt	ttgcctaaaa	taaaaacatt	ctctccaatt	acatatgctg	27360
gggaggaaac	acctgcttcc	gacaggttta	aagcttggtt	ttggactttt	tgtgagagtt	27420
ccttatgtgt	gcagtaatcc	aaaatttgta	tagttgccct	ttataaaagt	acattaatct	27480
agtagacaaa	tctccatgta	acttaattac	atggcatctt	ctaatccttc	tgtgataagc	27540
agaaatgtaa	agttttattc	aagttaaggc	aaactaactt	gtatacactt	tccatctcgt	27600
gtttttcttg	ttgttgttaa	gtaggataag	ttctgaacgt	cgaaaagaaa	agtctcgaga	27660

tgcagccaga	tctcggcgaa	gtaaagaatc	tgaagttttt	tatgagcttg	ctcatcagtt	27720
gccacttcca	cataatgtga	gttcgcatct	tgataaggcc	tctgtgatga	ggcttaccat	27780
cagctatttg	cgtgtgagga	aacttctgga	tgctggtgag	ttattttaca	agggtataaa	27840
taggcctgaa	aattagaagt	tagaagtaaa	tagaaattat	ttttagaagg	tggtcgcaat	27900
gttttgattt	tgtatacctc	tttatattgt	gatatgtaca	cgtttaaaaa	tttttctgta	27960
attctcacta	tttttatcaa	gcttcatttt	tttctcatca	gttattcttt	gaaataatca	28020
ttctttatgc	acataatttg	ttttgcttta	ttctcttaaa	catactctca	attcttttct	28080
aatataacat	cctttttatt	acctgctttt	aaagctttag	tcaggaataa	gatactggct	28140
tttcccctcc	ccccttttc	tcctgttcca	tctacctttc	ttcctttaaa	aaacatgact	28200
caggccgggc	gcggtggctc	acgcctgtaa	tcccagaact	ttgggatgct	gaggcgggtg	28260
gatcatgagg	tcaggagttc	aagaccagcc	tggccaagat	ggtgaaaccc	catatatacc	28320
aaaaatataa	aaaattagat	gggcacgctg	gtaggtgcct	gtaatctcag	ctactaggga	28380
ggctgaggca	ggagaattgc	ttaaactcag	agggcggagc	ttgcagtaag	ccgagatcaa	28440
gccactgcac	tccagcctgg	gcggcagagt	gagactccat	ctcaaaaata	ataaaataaa	28500
taaataaata	aaaaacatta	ctcttctttc	ttcttctatg	gtttgctttg	ctgcattact	28560
ttaatcatga	aaagcagctg	gcacatctaa	ttatagtttt	tctagcttct	ggcctgcact	28620
tttctgtgtt	gaaatggctg	tatatattaa	ataaagtgtc	tgcgagaaaa	ctttgtaaaa	28680
acatctaaat	attatatcat	ttaagtacaa	ctttttaact	aattatttc	ctcttcttgt	28740
gccctttta	ggtgatttgg	atattgaaga	tgacatgaaa	gcacagatga	attgctttta	28800
tttgaaagcc	ttggatggtt	ttgttatggt	tctcacagat	gatggtgaca	tgatttacat	28860
ttctgataat	gtgaacaaat	acatgggatt	aactcaggta	aaatgcacac	atattaagag	28920
ctcttctata	tgtttttatg	attttatgat	ctagccctaa	tttttaaaaa	tgtgtttaca	28980
gtttgaacta	actggacaca	gtgtgtttga	ttttactcat	ccatgtgacc	atgaggaaat	29040
gagagaaatg	cttacacaca	gaaatggtaa	gaaaagtctg	ttgtttgatt	taatgtgaca	29100
ggtggtttta	cataataaga	tactattgct	aattattaaa	ctttgctatt	gtacttaccc	29160
aaggcaaaat	gttatttcat	gtttaataaa	atgtctattc	tttgttaaaa	ctattatttt	29220
agtttttagg	aatttcattt	tgaaagccca	cctaattgca	taaataattg	tgtgggtgtg	29280
agaaataaaa	tggaaaagta	aaatcatgac	caagagagtt	acaaataact	tttttttt	29340
tttttaaga	tggggtctcg	ctcttttgcc	catgctggag	tgcagtggca	caatcagctg	29400
actgcagcct	tgaccgctgg	gactcaagcg	atcctcccac	ctcagtctcc	caagttagct	29460
gggaccacag	acgcgtgcta	ccatgcccag	ctaaattttt	aaaaattatt	tgtagagaca	29520
aagtctcact	atgctgctca	ggctggtctt	gaactactgg	gcttaagcca	tcctctcacc	29580
tcggcctctc	aaagtgttgg	gattacaggc	atgagccacc	acgcccaggc	taccttttt	29640
ttccttttct	ttttaaattg	tgataggggt	tcttgctgta	ttgcccaggc	tggtcttaaa	29700
ctcctggact	caagtgatcc	tcctggctca	gcctcccaaa	gtgctaggat	tataggcatg	29760

cgccaccaca cctgg	tggag ttaaaaatta	aaatacacca	ttaaggcaag	gagaaattat	29820
aatacaaatg gcaga	taata ggactttaga	cagtcattaa	agttgaggtg	ccagtttgag	29880
tctaaggccc aataa	aaaaa gttcaccaga	attttaagac	aaacaactgc	ttatttgact	29940
tctttggatg ttctc	aataa ttcgagacco	tgtagttaga	ttataaagta	ttacattgtg	30000
gatgcccaca tatta	acaaa aatagagagt	aagacctcta	attcttagga	attaattgtt	30060
aaaaataatc aagtg	ttcca agattttttc	gaaactacct	cttgaattaa	aaaattaaag	30120
tctttctaca ttttt	atctt gttaaacagt	gtatactgat	cataattatt	taaaaaatca	30180
tgtgttctaa gattt	ttgga aagtacctct	tgaattacaa	aaacaagaaa	gtctttccac	30240
atttgtgcct tctta	agcag tgtatactga	tcataattga	acttttcttc	atgatggaaa	30300
gttaccacaa ggaaa	atttc ttatgttctc	ctgttctttg	ttgctctcca	atttaagtgc	30360
atacgtttgt ttgct	tctat attataaaac	ctcaaattta	ctttttgtat	aatttttgag	30420
gttttctttt tcatc	tcatt tattataata	atagctaacc	tccattgaga	gaatgctgtg	30480
tgccaggaca ctgtt	cttcc tattttatat	gcttttaact	cctttattcc	tcacaacaac	30540
cctgtgaagt taact	gttag acaatttcta	tttactagg	aaactgaggt	acagagttac	30600
taagtaactt tccca	acatt atttggttag	taaatggcag	agcttgggct	gaacttcagt	30660
agactggctt cagag	tccac gctcattagt	cctttggagc	gcttttcata	ttcttgaatt	30720
ctcacattct gtctt	ttttc actctgtcac	caggacctga	ctcctgtttt	taaatttcat	30780
attgtgtttt tactg	ttaat ttggaaaaca	aatgcatact	ttttagaatt	ctgtataaag	30840
gaggagtaaa tatgc	tgtga acaaggacct	aagtgggttg	tcaatgagtt	taatatatga	30900
gttctaatgt gcaga	gttga ggtttatatt	gactgctcag	tgcttccctg	gggctagact	30960
ataaatggat ggata	ttagg aagtcttgtt	ctgatttggt	aatgatgtta	atgcattatt	31020
ctaaatcaga tagto	ttaat atagtttaaa	tgtatgtttc	gaaccaaatg	ttctttttta	31080
aagcacacaa acatt	ttgaa atcattacta	atgtggttaa	tgaattattg	atgttccatt	31140
gggaaactaa aatgc	agatt tttctcttt	agaaatcagg	gactattgca	aagcatcaca	31200
ttttagtgat acact	gagag ccagtggtgt	gtttatacaa	atagtcctat	tttccaaata	31260
aattctagaa aaatg	cttta gaatttataa	attatacaaa	atatgactta	tttttagaga	31320
gtttaaaatt taggt	ttttt taatggttto	tttttgtttg	tttgttttt	gtttttttt	31380
tcctcattag gaaaa	cacta gtacttttca	gttaccttga	tttttaaatt	aatctgcagg	31440
tccccattca aaggc	cttgg gttcctttca	aaggtcagta	taattcaagc	ttagtttatg	31500
aaggactgaa catac	ccaaa ggattttgca	tgtggatctt	tactgccact	accacaacca	31560
tcaacaccta cacaca	acacg acacacaca	attctctctc	tctctctc	tctctctctc	31620
tctcccctc cctcc	cgcac tccttccctt	cccctcctt	tgctctcatg	gcatctttta	31680
aaaatatact cttaaa	atcct tccagggagg	gcaaattcac	ttcttaatct	aagtaaaccc	31740
aaatggcatg catcag	gcacc aggactgcco	atctttccta	gttccattat	tcatagagta	31800
taggctggaa ttcato	cttgt tcctcaagag	tccagcattt	ctagttaacc	atgcctacat	31860

ttaaacttac	tctcatttct	tttctacttt	acagtgtttt	ttcaatatac	tagcattaca	31920
gtttccagat	ttgatttctc	tcctgtctta	tttccatcag	ttttcaagtc	tattaagatt	31980
ctacctcttc	atttgtcttt	tgccaccatt	cttttccctc	atactctact	ggctcagccc	32040
tctcattaca	gtcacctaat	tctaacatat	atattgctgc	taagttaatt	ttccttaagt	32100
tactgattgt	gctttttaa	agccccttgt	tgaatattta	ggcaggactc	catgtggaca	32160
tccacagccc	tccgtggtac	agccctaacc	ttcccttcta	gctttgcctt	actactcttc	32220
tacgtgtact	ctacattgtg	gacaaactac	tatatgctgt	ttttcaaaca	tgtcctattt	32280
ttcctacctc	tgtgcttttc	attctcttac	ttctccttgg	aatacccttc	taacccatct	32340
ctacttactg	acattctaat	gtctctttt	ctaagcaaga	cttcttgatt	tcccttgact	32400
agaaattatc	ttctaagctc	tccctatcct	tctttaaagc	atttttataa	gtctcaagta	32460
ccaactctac	attgtgtttt	tgttgacctt	actatatcta	ctacattttt	aacttcttca	32520
ggaaaggtgg	cgtatcttac	tcatctttgt	attgcctaca	atatctagtc	caggttctga	32580
ataataaata	tttttatatg	tgttctgaag	cacactgacc	aatgaagata	agaaatcaag	32640
aggctagttc	cttattttt	ttaattttt	tttttgagac	agtgtctcac	tttgtcaccc	32700
aggctggagt	gcagtggcac	aatctcagtt	cactacaacc	tctgcctccc	gggttcaagt	32760
gattctcacg	cctcaacctc	ccaagtagct	gggattatag	gcatgtgcca	ccacacctag	32820
ctgatattta	tatttttagt	agagatgggg	ttttgccatg	atggccagca	tggtctcaaa	32880
cttctgtcct	caagtgatct	tcctgcctca	gcctcccaaa	gtgctgggat	tacaggcatg	32940
aggcataagc	cactgcgccc	agcaagatgc	tcttttctca	gtcacctaaa	tataatctca	33000
tttttagtta	tagaaggttt	gaaattggag	tgaatagact	ttacttaatt	ctgactttat	33060
ttctgtagct	tttttttt	gagatggatt	ctcgctctat	atcccaggtt	ggagtgcagt	33120
ggcacagtct	cagctcactg	caacctctgc	ctcccacgtt	cgagtgattc	ccctgcctca	33180
gtctcccaag	tagctgggat	tacaggcacc	cactatcaca	cccagctaat	ttttgtattt	33240
ttagtagaga	cagggtttca	ccatgttggc	caggccggtt	tcgaactcct	gacctcaagt	33300
gatcctcttg	cctcagcctc	ccaaagtgct	gggattacag	gcatgagcca	ccgtgccctg	33360
cctatttctg	taacttttga	taagtcattt	gatctgttgt	tgttgtttc	tcatagtaac	33420
aaagtagaag	taattttctg	cctgctttac	tagataaatt	aaggggaaaa	aaataagata	33480
cgtaaaaatg	ttatttgtta	ttaaaaagaa	agttgttatt	ttaaaggttc	tataaagaca	33540
tagagtgctt	attagaaatt	gagctaacac	attcaggaaa	ggataggaag	agtttgctga	33600
agttctttct	ttagggattc	ttgtgtaccg	atagcacagt	taaagagcaa	actcatacca	33660
tttttatatt	tctgtgtatt	tgactaagct	tactggcttc	aatgattaac	tgttatccca	33720
aatatggatt	atctttcagc	caactcaggg	aatcacagct	actgagtagt	gtgtgtcaga	33780
tctcttgggt	gtgctggagt	gagtaaaagg	ggaatgaatt	actgtgttca	tgctgagact	33840
taattgaacg	ggtattcagt	tgatctaggt	gatgggcact	ttgttacttt	tattgtaaca	33900
aatttgtata	tttagttgct	ttaaaacttt	atttcatgct	ttcattaggc	cttgtgaaaa	33960

Page 21

agggtaaaga	acaaaacaca	cagcgaagct	tttttctcag	aatgaagtgt	accctaacta	34020
gccgaggaag	aactatgaac	ataaagtctg	caacatggaa	ggtaagtgaa	aattatttgt	34080
gattgattat	acactttatt	tatacataga	cattgtagta	ttaagataac	tttagaattg	34140
tgagggaagg	tttacagttc	catggtgttt	ggttatgtaa	catttatatc	ttcaactcat	34200
ttgcatgtga	tctccaaaat	gcagaaccgt	gtagtaattt	gccaatttga	ggcacaaact	34260
taaattacgt	gaattgtggc	actggtgttc	caggcttaat	cagttggctt	tgccagccac	34320
acaatatttg	aatcctgata	gggcttaatt	ttctattaat	catggtttta	tatctttgtt	34380
caatgttgaa	acatagtcat	cagtgcaaga	aataactatc	aaacagccat	gatgatgaga	34440
tgaatgaaaa	agcagcctag	actttatacg	aggggaattt	tttaaagagt	aatgtatagg	34500
ccctgggcag	gaagtaggtc	ataggtggta	tcataggaaa	aatgttcatt	gattttcaaa	34560
aacgtgatta	atccactagt	gacagtaaat	tttatcaaag	cttactggcc	atgtcagact	34620
caactactta	tctctgcttt	tttttccct	agcattgtaa	atatttttt	taactgcttt	34680
gttcttcata	cacaggtatt	gcactgcaca	ggccacattc	acgtatatga	taccaacagt	34740
aaccaacctc	agtgtgggta	taagaaacca	cctatgacct	gcttggtgct	gatttgtgaa	34800
cccattcctc	acccatcaaa	tattgaaatt	cctttagata	gcaagacttt	cctcagtcga	34860
cacagcctgg	atatgaaatt	ttcttattgt	gatgaaaggt	aaattagatc	taaaatgtga	34920
atttgaaatt	tttaattagt	ctacagcatt	actgaatatt	caccatagca	aagattcagc	34980
gctggccatg	catggtggct	cacacctgta	atcccagcac	tttggaaggc	tgaggcaagc	35040
ggggggtgga	tcatctgagg	tcaggagatt	gagaccagcc	tggccaatgt	ggtgaaaccc	35100
catctctact	aaaaaataca	aaaattagtg	ggacgtggtg	gcaggcacta	ctcaggaggc	35160
tgaggcagga	gaatcgcttg	aacctgggag	gtggatgttg	tggtgagctg	agctcacacc	35220
accacactgc	aagcctggat	gacagagcaa	gactcccatt	tcaaaaaaaa	aaaaaaaat	35280
tactcaatgt	taaactatac	tttccactaa	attgaacaga	atgatacatc	ctataatatt	35340
agattaactt	tgtaaattaa	ttcagccaca	tttattgaac	atttactctg	tactatgaac	35400
acttacttta	ctaggtgcta	tccagaagtt	aagatgagtc	ttttttccc	caataggggc	35460
tctacttact	tagagaattt	caaagatatg	cagtgtgtat	tttgagcaaa	gatagattac	35520
cttaggttgg	ggactagaaa	gccaagtgtt	tgtacatctc	ttcatcctac	atattttccc	35580
tgagaagctt	caaccttgcc	catggtttct	attactattt	cccacatttc	ttcctgtaac	35640
taattctatt	taattgccaa	cttaatattt	ctatctggat	attcttctgt	attgtaaact	35700
aagtattact	gtaacaactg	tactactact	gccccaaac	aacatcatca	tcaaaaactg	35760
cctttcttcc	tataatgctt	attgtggttt	aatacaccac	catacacaca	tgactccagc	35820
aaaactttgg	aagtcatctg	taacttttct	tttacattca	ttggctacat	acagttggtg	35880
tctaaatctt	acagatttac	tatctacata	tatctcttga	tccatttcct	cctttccatc	35940
cttgcactcc	tgccattgaa	ttcattagct	cattattact	cttgacttga	gttgttggca	36000
tagctgcctt	tttgccaaca	gatttgtacc	cttataatct	ttcatctaag	ttgccagaaa	36060

gtgggtgtcc taatgtgaaa	atcagatcat	gtcattctgt	tgttgaaaat	gcctcaaatg	36120
cttccctcca tctttgcaca	caaaaatatt	ttgtttataa	aaatactaga	tgagggaagt	36180
aaatttttca tttatcaaaa	gaagatgtgt	attttagaag	actgaaaaaa	aatagaccta	36240
cacaatacaa tctaaactta	gcatggcaaa	caaagatatt	tatgctctgg	ccctaactct	36300
gtctttggaa tcagatgtta	gattcactca	tggcttgcag	ctctgatact	tacaatgtgg	36360
ccttggcctt ggtacttaac	tgttgtaaaa	ttcacattcc	ttatctataa	aataagaatc	36420
atggctgggt ggggtggctc	atgcctataa	tcctagcact	gtgggaggcc	gaggtgggtg	36480
gatcacctga ggtcaggagt	ttgaaaccag	cctggccaac	atggtaaaac	cccatctcta	36540
ctaaaaatac aaaaattago	tgggtatggg	ggcacatgtc	cgtaatccca	gctacttggg	36600
aggctgaggt aggagaattg	cttgaatcca	ggaggcggag	gttgcagtga	accaagcttg	36660
caccactgca ctccggcctg	ggagacggag	tgagactcca	tctcaaaaaa	caaaaacaaa	36720
acaaaaaaa gacctcagaa	ggatgttgtc	aggattaaag	gagtccattg	agtgcctagt	36780
acagatagtg aatgcttcac	tactggtgtc	aactttaaga	aaatgaatat	agaaaagcta	36840
agaattattt taaggtgttt	actactagca	tgtaaatgta	tgatgggaca	gagatttcca	36900
tcctattttg aggaattatt	tttatttt	ttgaaaactt	aaggtaacaa	agtagagagg	36960
aggccaggga gaaaggaagg	tagtggagca	aaaatgagaa	agggagtgac	attcccctct	37020
agttatagca gaaaattago	aaaatgatca	tgacaggagg	taacagtaaa	gacagccagc	37080
tcatatatca accaagacag	ttttgagttt	gaccagcaga	ctgttatttt	ctggtttaga	37140
gctctttcca ggaacttctt	gcatctataa	cccctgagaa	ccaagctatg	gaaaaaattt	37200
tgctcaattt taagaaaatc	taacatatca	agctcctcaa	ctccaaaata	ttccacaaat	37260
agctgctatt tactatactg	agtaataatc	atttaaaatt	attcaacact	ttatttgagc	37320
atctactatg ttcatggcac	taaagtagaa	atgaagatga	acagttcctg	cctcaaaata	37380
aatgagtagt atactgcttt	agatcatggg	tttcctagtc	cattaaaaac	actttttggt	37440
catattttct ggacaccccg	acccttttgg	tatagaatat	aacctatgta	attctctaaa	37500
gttaaattaa cctcactttt	cttgctctaa	tatgtgtaaa	actgaccttc	taggaaagca	37560
tatacagttt atatttttga	cttcttggta	tcttttagtg	atagacatac	ctcagattga	37620
gaagcactga ttgacattag	attaaatcag	agcttcctat	gacaatataa	acaatacctt	37680
cattaatctg atcccctac	ctacttcttc	agcatcatct	catatctgtc	tccactaatc	37740
atattataga atctttgtta	cctgcaccat	gttaagcatt	tttaaaaatc	ttttgtttat	37800
accatacctt tttcctgaaa	gcggttttgc	ctttcctttg	tctctagtca	taagtctcct	37860
ataagaggct gttcctcatt	ctaccattcc	tttgcatgga	taggattcca	tggaatagat	37920
tctcatcact gcatttatca	cattatttcc	taagtagtac	agtacatcta	ctggaagatt	37980
agccacgtat tgagttttgt	ctttgcattt	tcatgcctag	aataatgccg	ggcacacata	38040
ggcatattaa gatttgaata	gtgaaaaagt	ttttaattcc	atggggattt	tatttaaaca	38100
gaaaaatata agaccaatta	gaattattt	taaagcataa	tttcaagaaa	tatgactgat	38160

tttgtttaaa	aacatgtttt	cctttataat	gctgccacct	ggtgttgctg	tgtttagaga	38220
tgtccctttg	taaagaattg	agggtttgag	ttgagtttgg	tttggttttt	ggcaaatcag	38280
cttttccttt	gtatatttat	tttgtaataa	actatggaag	atcttgcctt	taagtgtgag	38340
aacacaagca	atgttacttt	tataccttta	tagaatatct	tgcctatgtc	cttcctgtag	38400
ttaggtaggg	tttttttt	gacacacagc	atgttatata	aggtttgctt	gcacctcggt	38460
aggaaagtcc	tctgaaatct	aaaggctgag	aatctaaaag	cttaactcat	gttttgctcc	38520
tagaaagact	tgagaagaga	gtatttctgt	tcagcatggt	actaagaaga	cagctttctc	38580
ttcctcatgt	catggttgcc	atttcatact	gcttacagag	aataagatct	agtctctgtc	38640
ttaaataaag	gtctactctc	tgccagcgag	ctagataggg	taattggatt	gttttccaat	38700
ctattttcat	ttgaaatatt	gttttatctg	aaattactcc	cataatttca	tgtaatgcca	38760
aaaactaaac	taagtacaag	agcatcttca	aaaaccaaca	taattccttt	agttcccatt	38820
tagtgtagat	gctctttggt	tgatgatatt	agaattgtgt	aatggctatt	gatctctcaa	38880
agtgaggtgt	tgcctagggg	cttaaaagtt	actacataaa	gaatttggct	ttatgaagaa	38940
atgttacaga	ttttatctat	attttaaaat	aagtgtaagt	gactaccttt	ataactttta	39000
ccatgtagtt	tagtagtatt	tcttatctgt	ttattaatac	cctgccttgt	taccaaaagt	39060
atgtataatg	agatgtaata	agaataggta	acaagtaggc	tgggcacgtt	ggctcatgcc	39120
tgtaatccca	gtactttggg	aggccaaggc	gggtgaatta	cctgagttca	ggagttcaag	39180
acgagcctga	ccaacatgga	gaaaccccat	ccctactaaa	aatacaaaat	tagctgggca	39240
tggtggcaca	tgcctgtaat	cccagctact	tgggaggctg	aggcagggga	atcgcttgaa	39300
cctaggaggt	ggaggttgcg	gtgagccaag	atcacacctc	attgtgctct	ccagcctgag	39360
caacacgagg	gaaactcttg	tctcaaaaaa	aaagaccagg	taacaagttt	gggtgaacag	39420
gattaaagag	ttaaataaca	ggaggaatct	agaggactta	aagaaatgtg	tggtgttgga	39480
tttaataact	gtagttgcca	aaggtgaggt	gtaaatttat	tctaagcaaa	ggaggatgct	39540
catttttgaa	aattcacttg	tccataagat	taatgcctat	cagttaactt	gggaggagaa	39600
aaatttttct	ttatcagtgt	ctccctttt	tttcttaaat	cttgtatttt	ttactaacag	39660
aattaccgaa	ttgatgggat	atgagccaga	agaactttta	ggccgctcaa	tttatgaata	39720
ttatcatgct	ttggactctg	atcatctgac	caaaactcat	catgatagta	agtacaatgg	39780
aagaactcag	agatattcta	attacttaac	tgttgcaacc	tctgtacagt	ttggctaccc	39840
atctaattct	ctggttaaaa	gttctagact	aaatgtgtta	acaggcctat	tcagtagaga	39900
tcttgaccat	tttgtgtttt	gtatgtgttg	caacaaatat	cagtaaaaat	agaatcattt	39960
aatcatagaa	aaaacttcct	ggcattttaa	atacaaagac	ttttgaaaat	ccaaatatta	40020
tagagtattg	aatagcataa	ttttcagaat	tcacataaat	actcagaaca	gtggttggta	40080
tgtaaaaggc	actcagaaag	tatttgtaca	atcaatgaat	gtgaaggtgg	tgaacatcac	40140
ctttggtaat	aagtaccatt	ttaaaaaatg	cttataagtg	catagttagg	tatttatatt	40200
tatgggttca	tgaaatattt	tgatataggc	atgcagtgca	taaggataaa	tggagtacct	40260
			_			

atcacctcaa	gcattatctt	gtgtgacaaa	caatccagtt	atactctttt	ggttattttt	40320
attttattt	attttattt	tttcttttga	gacaggatct	cactctcgcc	caggctggag	40380
tgcagtggag	caatctcagc	tcactgcaac	ccccgcctac	cgggttcaag	agattctcct	40440
gcctcatcct	cccaagtagc	tgggattata	agcatgtacc	accatgcctg	gctaatttt	40500
gtatttttag	tatagacagg	gttttgccat	gttggccagg	ctggtctcga	actcctgacc	40560
tcaggttatc	cacctgcctt	ggcacccggc	ctcttttagt	ttctttaaaa	tgtacaatta	40620
aattatttt	tactatagtc	acccaaaaca	agtacctttg	acataagatt	tgattctgaa	40680
ttttactcaa	atgaatgtta	agatccccaa	gataagttaa	actttggact	atctcacctg	40740
tttaatctgt	acctatgcat	gacttcccac	tgtgcttgag	gatacctgaa	tatcactgag	40800
tttgtgtgac	tgatcagcct	tgaactcaag	agtaaatcca	agtctgcagt	caggacaccc	40860
caatcctcaa	aataatacca	tcattagcat	ttatttagta	ctttctccca	aatcagtatt	40920
taatttaaat	tgccaaaaga	cttacaatgt	ggtatcaatt	tatatttaaa	tatgctacat	40980
atagcttttt	aaagcatctt	tggttctctg	gaaaccatag	tcagaattta	aggaagttat	41040
tgtggcacca	ttttcttgaa	aaaggctatt	gattattctc	taatctgaca	ccaacctaag	41100
tcattaaagg	aattttagtt	actgaagatt	gtatattcat	gaactcttca	cttagctcac	41160
tggcagcaaa	ggagttttat	ttagggggtt	tgaaaaagga	aatgggtaca	ttttcagcta	41220
ttctgggacg	cactgtcaga	atgtaagcag	ttacaactga	ttccactaaa	taaacatttg	41280
ttttccaaaa	caatgatgaa	cattcagcat	ctgttcattt	aattgaaaat	tcaaagttaa	41340
aatattttct	ctgcatgatt	cttttcttt	tccccctag	tgtttactaa	aggacaagtc	41400
accacaggac	agtacaggat	gcttgccaaa	agaggtggat	atgtctgggt	tgaaactcaa	41460
gcaactgtca	tatataacac	caagaattct	caaccacagt	gcattgtatg	tgtgaattac	41520
gttgtgaggt	aagtaagttt	gagaaataaa	catttttggg	gaacaaatag	taattctttt	41580
tggatactct	gttcatttat	aggaagataa	gataataaat	attaactaaa	ttttaattct	41640
tttacatcgc	taccaaatta	ttattttcta	tactctgacc	taggtttcca	gtccagctat	41700
tccacagtga	tgctgctaaa	cactgtcagt	agttgtctat	ccccatacct	tcactcctat	41760
ttttaaaaag	accatgaaaa	aaataccaga	tccattgatt	ggtttggtct	aattatacag	41820
atatcggcat	atactatctc	aagacagctg	tgttctttt	gtaggaagaa	tcctggccta	41880
gatttgtatc	atagctctac	cactcattag	ctccctgacc	ttggggaagt	ctcttcattt	41940
ttctgaattt	catctatgta	gataatcctt	cagaaggtta	taatgaaaat	taaatgaaat	42000
tctatgagat	tagggagggg	ggagggatag	cattaggaga	tatacttaat	gtgaatgatg	42060
agttaatgga	tgtagcacac	caacatggca	catgtataca	tatgtaacaa	acctgcacgt	42120
tgtgcacatg	caccctagaa	cttaaagtat	aatttaaaaa	agaaaagaaa	ttctatgaga	42180
ttaataagct	atatgatgta	atacatggct	cttgtatatt	catgaactct	tcacttagct	42240
ctttggcttg	tgaatattat	gtacatcaaa	atttaatttt	tcatttgatc	tattttacta	42300
gactcctgcc	ccatctagtc	tacctgtcca	cattattacc	acattctagt	ccatcttgcc	42360

cattactacc	aggctaagct	ttctagtgtg	gatatgtcat	catcttattt	tccttagaat	42420
tttagcgatc	tttttatcat	ttccaagata	aacacttgcc	taggtgtaca	gcatccttgt	42480
ttaccatcat	actcacgcat	tagagattta	gccttccctt	taaaatctag	ggtcactcct	42540
cttaggaaga	ctttgggcag	ttttatt	tgctacttct	gacaccatcc	tttaatgttt	42600
taatattagt	gccacagagt	tcttttgtga	ctttaccatt	atgtaagaat	cttccacttg	42660
gaatgtcttt	ctcttcctca	caccccagtc	tgcctagcaa	atgccacttg	atcccaagta	42720
tcagcttgtt	agcttctcag	tgaagcaagc	cttctctatt	ttagcagtta	tcacagtgta	42780
ttttaattgt	ttacatatct	actttcacaa	tgggttataa	atttcttaag	gtcaagggtt	42840
ggctatttta	atctttgcat	tatcagttca	tttcagatag	tgaacattta	atacgttaat	42900
taaaggaata	atttacattt	aagccaaacg	tgaagataaa	ctattgctca	tcatccctct	42960
tcagccgtat	cctgtaggtg	gtatcacctt	atattcttac	caccaaagaa	aatatggccc	43020
ctctcttaga	aagatcttaa	tcatttatct	gtgtatcttt	aggactatcc	ttagatcatg	43080
cctcacatat	tgatgccaaa	gagttctttt	gtgccaattt	cataatgtgt	gtcagcacaa	43140
caattctgaa	gatttgttgg	tgtctttcat	gtacttgact	acaaattgcc	ttgccattac	43200
tactcttctc	aaaggatatc	tgaaattctt	ttttcttt	tttttttga	gatggagtct	43260
cactgtcacc	caggctggag	tgcagtggcg	tgatcttggc	tcactccatt	tcccgagctc	43320
aagtgattct	catgcctcag	cctcccaagt	agctgggact	acaggtgtgc	accaccacac	43380
cgggctaatt	ttttgtattt	ttagtagaga	cagggttttg	ccatgttggc	caggctcttg	43440
aactcccagg	ctcaagcgat	ccacccgcct	cagcctccca	aagtcctggg	attacaggca	43500
tgagccacca	cgcccagcct	ggatatctga	aattcttaac	tgaaattagt	caaattatct	43560
tgtactgggg	atttttttt	taatttcaac	ttttatttt	gattcagggg	atacatgcat	43620
aggtttgtta	catgggtata	tcatgtgatg	ctgaggtttg	gggtacaatt	gatcctgtca	43680
cccaggtagt	gagcataata	cccaacagtt	gttcaaccct	tgcccctctc	ccctagtagt	43740
cctcagtgtc	tattgatgcc	atctttatgt	ccacaagtaa	cccagtgttt	agctcccact	43800
tacaagtgag	aacatgcagc	atttggtttt	ctgttcctgg	gttatctcac	ttaggataat	43860
ggtctctgga	tgcatccatg	ttgctgcaaa	ggacattatt	tcattcttt	ttatggttgc	43920
atactgtgga	ttttattggg	tctttatttt	gtattagcat	tttaaaaccc	taaatgtgac	43980
acagtacgca	tgagtgatca	tgcatctcaa	gaaatcttga	aatgttcctg	tccataaagc	44040
agaattttt	aagagaccat	ttcacagtct	cccttcccct	cactgtatca	agtgctcatt	44100
tgtgaattac	caatttctct	tgttttgaca	gtggtattat	tcagcacgac	ttgattttct	44160
cccttcaaca	aacagaatgt	gtccttaaac	cggttgaatc	ttcagatatg	aaaatgactc	44220
agctattcac	caaagttgaa	tcagaagata	caagtagcct	ctttgacaaa	cttaagaagg	44280
aacctgatgc	tttaactttg	ctggccccag	ccgctggaga	cacaatcata	tctttagatt	44340
ttggcagcaa	cggtgagtag	ttatttttgt	taatccccta	aattgtgtct	gttgctacaa	44400
gccccatttc	aactaaacat	tactttacgg	tttttgttgg	taatcatttg	gacattacaa	44460

gctaatatat	gtttatagtt	ttcttaaatg	tatttgctta	aatatttttg	ccccgtaat	44520
ttcttaccat	tcttgctttt	ttatactgtt	<b>gg</b> aaattgtg	cttcaaagtg	tccttaaggt	44580
atttcttctt	cccacataaa	tttttcctgg	ctactctatt	tctgtatcct	gctgtcagat	44640
tttctccaca	gtttagcaga	gttatatgga	agtaggcatt	gttgcattaa	aggataaaaa	44700
agtagtcata	ctataacatc	aagcattgaa	gatgaaaact	gcaattttaa	agtagagaac	44760
attttaatgt	ataaaaaggt	tggtattgcc	ttttgtcttt	tatgccatag	agattaagac	44820
gcggtatcaa	tagtggattg	taaaggtaac	tcagacttat	ggttatacta	tactattgta	44880
tgtaaacttt	ctgatgaagg	aaaatttggt	gacattttgt	tgtttgatga	attagacaaa	44940
ccttttgtga	aaaagaacat	aaattttta	tatgtgaaaa	tccttgtggc	cgggcgcagt	45000
ggctcacgcc	tgtaatccca	gcactttggg	aggccgaggc	gggtggatca	cttgaggtta	45060
ggagttcgag	accagcctgg	ccaccatggt	gaaaccccgt	ctctaccaaa	aatacaaaag	45120
ttagctgggc	gtggtggtgt	gcgcctgtaa	tcccagctac	ttgggaggct	gaggcagggg	45180
aattgcttga	acctgggagg	cagaggttgc	agtgagccaa	gattgcgcca	ttgcactcca	45240
gcctgggcaa	cagagcaaga	ctctgtcttg	ggtaaaaaaa	aaaaaaaatc	cttctatact	45300
ttagattgac	tcatatttt	tccccacaga	cacagaaact	gatgaccagc	aacttgagga	45360
agtaccatta	tataatgatg	taatgctccc	ctcacccaac	gaaaaattac	agaatataaa	45420
tttggcaatg	tctccattac	ccaccgctga	aacgccaaag	ccacttcgaa	gtagtgctga	45480
ccctgcactc	aatcaagaag	ttgcattaaa	attagaacca	aatccagagt	cactggaact	45540
ttcttttacc	atgccccaga	ttcaggatca	gacacctagt	ccttccgatg	gaagcactag	45600
acaaagttca	cctgaggtag	gtgtcatgat	ataatcagaa	agggacaact	ttcagatttt	45660
aacattcaag	aatgtattta	taagtttgat	tcaaacactt	atttgaacca	caaattacat	45720
ttgtgtgtgt	gtttgaattt	tagcacttta	aaattattgc	aagagctact	gcctaaccta	45780
gacctgagca	catgttttag	gctcaaagat	agtcaggaac	atgggaagaa	actagcttaa	45840
tataaaccaa	aaggtgaaac	gtacattgtt	tctctattat	ttatatcagt	aggacaaaaa	45900
catcttgaat	ttggacattt	aaagagaata	gtactaagtg	tgctcaaggt	agctacagcc	45960
tatacctgtt	acccctttta	gtttgtttta	ttgtgttttg	ttttgttttg	agaaagagtc	46020
tcactatcac	ccaggctgga	gtgcagtggt	gcaatcacag	cctcaacctc	ccaggctcaa	46080
atgattctcc	cacctcagcc	tcccaagtag	ctgggactac	aggcctgcat	caccatgcct	46140
ggctaatttt	ttaacctttt	tttgtgtgtg	tgtgtggagt	tggggttctc	actatgttgc	46200
tcaggctggt	tttaaactcc	tgggctcaag	cgatcctcct	gccttggcct	cccaaagtac	46260
taggattaca	ggcgtgagct	accatgcctg	gcccattacc	cctttgagtt	ggagaactgt	46320
ctggtagcaa	tagacttacg	agggtttaaa	tgggaaagga	ccttataaat	tctttgccca	46380
atttagtcta	atttccatca	ctattttgaa	attttgggta	agtataatat	gaaaataaca	46440
agtgttacat	aaaataaata	cttagtaact	ggtcttttt	attctggatc	tgtcttgata	46500
ttaattgtcc	tatgaacaca	aaaataatct	ttaaaggcta	ggctggccaa	gacttagaga	46560

tatacacaag getctattt caaatctag atgattca tittagget tectacatte         46680           aaaatatge teaggagtag gecacitag atciaactat tatacttig taaatgaged         46680           ataaatatge tittatataagt getaaataat tectaataag gettittigt ataataacte         46740           acaagetaag agtaggggat tigacacita acageetig gitgaatgaa tataateed         46800           atgetetigt tigettaatti accagaaaa aaaaatgitti gatteatett gittittad         46800           taacacaaga aaatetaaca aaaacgttag atgaggaaa geaaaattet tigittigad         46900           taacacagta tagtittittig taaactet tigeecagaac tectaaaata gitaataatgi         47900           acatetegte aggatataga getaaataa acttaggtti etaeteea giteaaagg         47000           aaateoaggaag tittittig taaactet tigeecagaac tettaaaatag gitaacattig aggatataga giteaatga giteaatga giteacattig gitaccattig gitaacattig gitaacattig gitaacattig gitaacattig tiggattiga         47100           aaateoaggaag tittittig taaaattat tiggeaa aattagtaa gitaatagag         47200           attaccaaa aggittitat etetagaata aggittitet tittaateea attiggaacga gitaaaagg         47300           attacaaatg cactattite aaaaattit tittittitti tittittiga gaaggagag         47400           cacaggtega gitgaagtiga gitgaagtiga citagattiga citaggatta aggattiga gitgaagtiga aattegaaa actaatteet titaaaagaa gitgaagtiga titagaaga aaaaaatteet titaaaaaa acaatteet gitaaaaaa acaatteet gitgaagaaaa							
ataataagc tttaatagt ggtaaataat tctacattag gtatttgttg aataaaactg 48600 acaagctaag agtaggggat tcgacatcc acagccttgt gttgatgaa tatatatcc 46800 atgctctggt tgcttaatt acccagaaaa aaaaatgttt gattcatctt ggtttttat 46800 taacaaaagt aaatctaaca aaaacgttag aatgaggaaa gcaaaatttc ttgtttaga 46920 tacacagcta tagtttttg ttaaacttc tgcccagaac tcttaaaata gtaataatg 46980 acattcgttc aggtatatgc aggtaaaata acttaggtt ctaccccac ccccgacagd 47040 aacagtgaga tttttaggta gctcagtcac cacaggagt tgccttctca gtccaaagg 47100 aaattccagt gaatgtagca tctagttaat tggtcaatta ggtaccattg tgggatgtg 47100 attaccaaat aggttttat ctttagaata aggtgtttc tttcatcac attttgtaaa 47220 tgatgttata ttacatagtc agaaatata atattggcaa aattagtac cagtataag 47280 tcaaaatgt cactatttc acaaatttt ttttttttt tttttttga catggagtc 47340 cactctgtcg ccaggctgga gtgcagtgg atgatgtgg ctcactgcaa cctctgcctc 47400 ccaggttcaa gtgattccc tgcctcagc tcctgagtag ctgggattac aggcgtttg 47400 ccacggttcaa gtgattctc tgcctcagc tcctgagtag cgggattac aggcgtttg 47580 tacaggcgg agcactgac cccattact c ctccaccttg gcttcacca tgttggccag 47520 gatggttcq attccttgac cctattatc ctccaccttg gcttcacca tgttggccag 47520 gatggttcq attccttgac cctattatc ctccaccttg gcttcacaa gtgctgggat 47580 tacaggcgg agccactga cccggcctag ttaaataaaa tttgataaaa acagatggaa 477800 tataggagg agccactga cccggcctag ttaaataaaa tttgataaaa acagatggaa 477800 tataggagg agccactga aaaaggaaa aaaaggaaa aaaaccaat ttctacagaa acagacaaa 47880 tatattggaa cttcttagg gataggaaa agcaccatt ttctacagaa acagacaaa 47880 tatattggaa cttcttagg gataggaaa agaaccaat ttctactaca gtatatgaa 47880 tatattggt tttatagtg gataggaaa agaaccaat ttctactaca gtatatagaa 47880 tatattgtt tatataaat tcaattaat tttatatccaa tggatgatga ctccaagaa 478900 acagattag acttgaaga acagaagaa agaaccaat ttctactaag gtatatgaa 47940 gtttttttat ataaaggtg gacattga agaaccaat tcaaagaa caagcaaga 48900 acagattag acttgaaga gtatacaa tcaataaaa agaacctac tgctaaaga 48900 acagactaca cagtaaaga acaatagaa acaataaaaa acaaccaac agaagcaa 48900 acaaaaact tcaaagaa acattacaa tcaaagaa acaaccaac tacaaagaa acaaccaac tacaaagaa aaaaccaac acaaaaaac aaaaaccaac	tatcacacag	ggctctattt	ctaaatctag	aatgattcca	ttttagggct	tcctacatct	46620
acaagctaag agtaggggat tigacatct acagcitig gittgatigat atataticum atgictitigt tigittaatt accagaaaa aaaaatgitt gatteatti gittittat 46600 taacaaaagt aaatctaaca aaaacgitag aatgaggaaa gcaaaatti tigittiaga 46920 tacacaagta tagittitig tiaaactici tigccagaac tottaaaata giaataatgi 47000 aacattigtic aggitataga gitaaaata acttaggitt cacticaca coccgacagat 47000 aacaggagga tittitagga giccagtaca cacaggaggi tigccitota gitcaaaggi 47000 aaattacaagt gaatgaga tottagaaa aggittiat tittaaggaa aggittiata tigacaata aggittita tittaagaa aggittita tittaataa tacaaata aggittitat cittaagaata aggittiti tittaataa tacagaagaa gigattaaa tacaaataa atatiggaa aattagaa aggittiaa tittaagaa aggittita tittititi tittittiga catgagaga 47000 cacaggitcaa gigaattata aaaattiti tittittiti tittittiga catgagaga 47000 caaggitcaa gigaattaca cacaattiti tittitti gidagaaca gigattaca aggagtitiga 47000 caaggitcaa gigaattaca cacaattiti tittitti gidagaaca gigattaca aggagtitiga 47000 cacaatgaca accaatgaca cacaataa titagaaaa accaattigaa acagaggaga 47000 cacaaaaacttit tittitagga aaaaactaaa aaaaactaa aaaaactaa aaaaactaa aaaaactaa aaaaactaa aaaaactaa aaaaactaa aaaaactaa aaaaactaa aaaactaa aaaactaa aaaacaaa aaaacaaaa aaaacaaa aaaaacaaa aaaaacaaa aaaacaaa aaaacaaa aaaaacaaa aaaaaa	aaaaatatgc	tcaggagtag	ggcaacttag	atctgaacat	tataacttga	taaatgaggc	46680
tagetcteggt tgcttaattt acccagaaaa aaaatgttt gattcatct ggttttatc taaccaaaagt aaatctaaca aaaacgttag aatgaggaaa gcaaaattt tgtttagaa 46920 tacacaagcta tagtttttg ttaaacttct tgcccagaac tcttaaaata gaataatgt 46980 acaattcgttc aggtaatatg aggtaaaata acttaggttt ctactccac ccccgacagt 47040 aacagtgaga tttttaggta gctcagtcac cacaggagtg tgccttctca gtcaaaggg 47100 aaattccagt gaatgtagca tctagttaat tggtcaatta ggtaccattg tgggatgtag 47100 attaccaaat aggtttaat cttatgaata aggtgttet tttcatctca atttgtaaa 47220 tgagtgtaat ttacatagtc agaaatata atattggcaa aattagttac cagtataagc 47280 ttcaaaagtg cactatttc acaaatttt tttttttt tttttttg catggagtc 47340 cactctgtcg ccaggctgga gtgcagtggc atgatctgg ctcactgcaa cctctgcct 47400 ccaggttcaa gtgattccc tgcctcagcc tcctgagtag ctggggttac aggcgttcg 47500 ccacggctca gctaattt tgtattta gtaggagga ggtttcacca tgttggcag 47520 gatgggtctc gacgagtgg ctcattacc tccacacttg gcttcacaa gtgcttgg 47500 cacacgacgc gacactgag cccggcctag ttaaataaaa tttgataaac acgatggac 47500 tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggac 47500 tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggac 47700 tatataggaag cttcttcagg aaatagtaa catattctt tttacagcc aatagccca 47700 tatataggaag cttcttcagg aaatagtaaa catattctt tttacagcc aatagccca 47700 gtgaatattg tttttatgg gataggtata tggtcaatga attcaagttg gaattggaa 47800 gtgaatattg tttttatgg gataggata tggtcaatga attacacgc gatatagaa 47800 gtgaatattg tttttatgg gataggata tggtcactga aggaccattg aggtacttg agttcact 47900 gttttttatt tatataaaa tccattgaa agaacccatt tctacacag gatatggaa 47800 gttttttatt tatataaaa tccattgaa agaacccatt tctacacag gatatggaa 47800 gttttttatt tatataaggtg ggccattgaa aaaacccatt tctacacag gatatggaa 47800 acaagatttag acctggaaga gttacactag accattagaa agaacccat tgctaaggac 48000 acagatttag acctggaaga gttacactag accattagaa agaacccat tgctaaggac 48000 accacacacac acgttacaga attcacaca agaaccacac tgcaaaacac tgatagaaa 48000 accactacca catatagaga taccacacac cacacacaca agaacccac tgatagaaca 48000 accactacaca cacacacac tgatagaa aaaacccat cacacacaca agaagacca taccacacac 48000 accactaca	ataaataagc	tttaataagt	ggtaaataat	tctacattag	gtatttgttg	aataaaactg	46740
taacaaaagt aaatctaaca aaaacgttag aatgaggaaa gcaaaattte ttgtttagaa 46980 taacaaaagt tagtttttg ttaaacttet tgcccagaac tettaaaata gtaataatgt 46980 acattegtte aggtatatge aggtaaaata acttaggttt etacteccae eccegacagt 47040 aacagtgaga tttttaggta getcagteae cacaggaggt tgcettetea gtteaaaggt 47100 aaatteccagt gaatgtagca tettagaata tggteaatta ggtaccattg tgggatgtga 47160 attaccaaat aggttttatt etttagaata aggtgtttet ttteatetea attttgaaa 47220 tgatgtata ttacatagte agaaatata atattggeaa aattagttae eagtataage 47280 tteaaaatgt eacattttte acaaatttt tttttttt ttttttttga catgagatea 473400 eccaggtteaa gtgatteee teetageae atgatetigg etacatgaa ecctetycee 47400 ecaggtteaa gtgatteee tgeetagea etectageae eccaggetgaa gtgatgagga atgatetigg etacatgaa eccettgeee 47400 ecaggtteaa gtgattetee tgeeteagee teetagagaa gtgtteaaea aggegtttga 47520 gatggteteg atecttgae etacttatae etacacettg getteecaaa gtgetgggat 47580 etacaggeetg agecaetgag eccggeetag ttaaaaaa tttgataaac acgatggaet 47640 tggttgtgt tttetggtt tttetgagat etagttgaa aatteegaca actagcaaag 47700 tataaggaag ettettaag aaaaagtaaa catatteet tttacageet aatageecaa 47760 gtgaaatttg ttttatgg gataggata tggteagaa attecageet gatatggaa 47880 ttaatggaag ettettaagg aacagaagaa agaaceaat ttettacacea gtgattgaa 47880 etacattigt ttttatgg gataggtaa tggteaatga attecageet gattetgaa 47880 etacattigt ttttattgg gataggtaa agaaceaat ttettacacea gtatagaaa 47880 ettettigtt tatattaaaa tteattaat tttagteega agtagatetg gatteceet 47940 gtttttatt tatataaaa tteeataaa tttagatega aggaaceaa tgatagaa etecaaaa eagaceata ttetaaggaa 48800 ecgtteetteg ateagtige accattagaa ageagtee aaaaaceatg ageageaa aaccacace acgatagaa attecagea eagaceaca tgatagaac 48100 ecgtteetteg ateagtige accattagaa ageagtee eacacacaca ageageaaa 48100 ecceaaaaca eagatacaca tteeagaa accacacaca eagatacaca taccacaa ageagaaca aaaaceaca eagatacaca tecaaaaaca agaaceaca eagaagaaca aaaaceaca eacacacaca eagaagaa aaaaceaca eacacacaa agaaceaca taccacacaa agaagacaa aacacacaca cacatacaaa aaaaccaca eacacacaa aaaaaccaca eacacacaa aaaaaccaca eacacacaa aaaaccaca eacacacaa aaaaccaca e	acaagctaag	agtaggggat	ttgacatctc	acagccttgt	gttgaatgaa	tatatatcct	46800
tacacagcta tagtttttg ttaaacttct tgcccagaac tcttaaaata gtaataatgt 46980 acattcgttc aggtatatgc aggtaaaata acttaggtt ctactccac cccgacagg 47040 aacagtgaga tttttaggta gctcagtcac cacaggagtg tgccttctca gttcaaaggt 47100 aaattccagt gaatgtagca tctagttaat tggtcaatta ggtaccattg tgggatgtga 47160 attaccaaat aggtttatt ctttagaata aggtgtttct tttcatctca attttgtaaa 47220 tgatgtaat ttacatagtc agaaatatat atattggcaa aattagttac cagtataagc 47340 cactctgtcg ccaggctgg gtgcagtggc atgatcttgg ctcactgcaa cctctgcctc 47400 ccaggttcaa gtgattctc tgattttt ttttttttt tttttttga catggagtt 47520 cacatgcaa gtgattctcc tgcctcagcc tcctgagtag ctggggattac aggcgtttg 47460 cacatgcct agctaattt tgattttta gtaggagacga ggtttcacca tgttggcag 47520 gatgggtctcg atctcttgac ctcattcc ctccacctt gcttcccaaa gtgcttggca 47640 cacatgcct agctaattt tgattttta gtaggagacga ggtttcacca tgttggcag 47580 tacaggcgtg agcactgac cccggcctag ttaaataaaa tttgataaac acgatgggat 47640 tggttgtgt tttctggtt tttctgagat ctagttgaa aattctgaca actagcaaag 47700 tataggaag cttcttcagg aaatagtaaa catatttct tttacagca actagcaaag 47700 tataggaag cttcttcagg aaatagtaaa catatttct tttacagca actagcaag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctacacag gtaatggaa 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtaatggaa 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtaatggaa 47820 acaaaactttt tgctgaagac ggcaattga aaaaacccatt ttctactcag gtaatgaaa 47880 ttatttgtt tatataaaat ttcataatt tttagtccaa tggatggatga cttccagtta 48000 acagatttag acttggagat gtacgccc tatatcccaa tggatgatga cttccagtta 48100 accactacca ctgcaaccac tgatgaata aaaacccat tacccaa tggatgaa acaagcaca taccacaca cagtacacac tgatgaata aaaaccaca caaaaacaca cagtacacac cacacacaca caaccacaca caaccacaca caaccacaca caaccacaca caacacacaca caacacacaca aaaaaccaca caacacacaca aaaaaccaca caacacacaca gacagaaaa 48360 gagagcacaa gacagaaa aaaacccac caacacacac	atgctctggt	tgcttaattt	acccagaaaa	aaaaatgttt	gattcatctt	ggtttttatc	46860
acattegtte aggtatatge aggtaaaata acttaggttt ctacteceae cccegacagt 47040 aacagtgaga tttttaggta geteagteee cacaggagtg tgeettetea gtteaaagge 47160 attaceaat gaatgtagea tetagtaat tggteaatta ggtaceattg tgggatgtga 47160 attaceaat aggttttatt etttagaata aggtgtttet ttteateea atttgtaaa 47220 tgatgttata ttacatagte agaaatata atattggea aattagttae cagtataage 47280 tteaaaatgt cactattte acaaatttt tttttttt tttttttga catggagtet 47340 cactetgteg ceaggetgga gtgeagtgge atgatetgg etcactgeae ecetegeee 47400 ceaggtteaa gtgattetee tgeeteagee teetgagtag etgggattae aggegtttge 4760 caccatgeet agetaattt tgtatttta gtagagaega ggttteacea tgttggeeag 47520 gatggteteg atetettgae etcattatee etceacettg getteceaaa gtgetgggat 47680 tacaggegtg agecactgag eccggeetag ttaaataaaa tttgataaac acgatggaet 47640 tggttgtgtg ttttetggtt tttetgagat etagttgaa aattetgaca actageaagg 47700 tatatggaag ettetteagg aaatagtaaa catatteet tttacageet aatageea 47760 gtgaatattg tttttatgtg gatagtgata tggteaatga attecaget gaattggaa 47880 ttatttggtt tatattaaat tteattaatt tttagtetga agtacttg gaattggtag 47880 ttatttgtt tatattaaat tteattaatt tttagtetga agtacttg ggtteacet 47940 gttttttatt tataaggtg ggecattgta aaaaccatt ttetacteag gtatatgaac 47880 ttatttgtt tatattaaat tteattaatt tttagtetga agtgacttg agtteacet 47940 gttttttatt tataaggtg ggecattgta aaaaccatt ttetacteag gtatatgaac 48000 acagatttag acttggagat gttagetee tatateceaa tggatgatga ettecagtta 48000 acagatttag acttggagat gttagetee tatateceaa tggatgatga ettecagta 48180 accactacca etgecaccae tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgeat tecatetee accacatac ataaagaac tactaggea 48240 attaaaatat tgattgeat tecatetee accacatac ataaagaac tactaggea 48240 attaaaatat tgattgeat tecatetee accacacaa ataaagaac tactaggeaa 48360 ggagtcatag aacagacaga aaaatetea caagaagee ctaaacggt atteggaaa 48360 ggagtcatag aacagacaga aaaatetea caagaagee ctaacggtt atettggee 48300 acacteacac cataaagaga tacteaaage cgaacagee caacacacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatetea caagaace ctaacacgg accacacagagaaaaacacggaaaattata tgaacacta	taacaaaagt	aaatctaaca	aaaacgttag	aatgaggaaa	gcaaaatttc	ttgtttagaa	46920
aacagtgaga tttttaggta gctcagtcac cacaggagtg tgccttctca gttcaaaggt 47160 aaattccagt gaatgtagca tctagttaat tggtcaatta ggtaccattg tgggatgtga 47160 attaccaaat aggttttatt ctttagaata aggtgtttct tttcatctca attttgtaaa 47220 tgatgttata ttacatagtc agaaatatat atattggcaa aattagttac cagtataagc 47280 ttcaaaatgt cactatttc acaaatttt tttttttt tttttttga catggagtct 47340 cactctgtcg ccaggctgga gtgcagtggc atgatctgg ctcactgcaa cctctgcctc 47400 ccaggttcaa gtgattctcc tgcctcagcc tcctgagtag ctgggattac aggcgtttgc 47520 gatggtctcg atctcttgac ctcattatcc ctccaccttg gcttcacca tgttggccag 47520 gatggtctg atctcttgac ctcattatcc ctccaccttg gcttcacca gtgctgggat 47680 tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggact 47640 tggttgtgtg ttttctggtt tttctgagat ctagtttgaa aattctgaca actagcaaag 47700 tatatggaag cttcttcagg aaatagtaaa catattctt tttacagcct aatagccca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47880 ttatttgtt tatattaaat ttcattaatt tttagtctga agtgacttg gattgaca 47880 ttatttgtt tatattaaat ttcattaatt tttagtctga agtgacttg agttcacct 47940 gttttttatt tataaggtg ggccattgta aaaacccatt ttctactcag gtatatgaac 48000 acagatttag acttggagat gttagctcc tatatcccaa tggatgatga cttccagtta 48000 acaagatttag acttggagat gttagctcc tatatcccaa tggatgatga cttccagtta 48000 acaagatttag acttggagat atccaacaa accaacaag agcagcaaga 48240 attaaaatat tgattgcatc tccatctcct accaacaac ataaagaacc tactagaac 48240 attaaaatat tgattgcatc tccatctcct accaacaac ataaagaacc tactaggaaa 48360 ggagtcatag acaagaaga aaaatccat caaaaagacc ctaacaacaa agcaggaaaa 48360 ggagtcatag aacagacaga aaaatccat caaaaaac cacaaacaa agcaggaaaa 48360 ggagtcatag aacagacaga aaaatccat caaaaaac cacaaacaa agcaggaaaa 48360 ggagtcatag aacagacaga aaaatccat caaaaaac cacaaacaa agcaggaaaa 48360 aaaatgatagt gatagtacat gtatttaaa cttaaagca ctactctgat atcttggaa 4840 aaaatgatagt gatagtacat gattttaaa cttaaagaa acttcttgat atctgtcct 4840 aaaatgatagt gatagtacat gattttaa ctcaaaaac ttcttaga atctcatat tttttagaat 4840	tacacagcta	tagttttttg	ttaaacttct	tgcccagaac	tcttaaaata	gtaataatgt	46980
aaattccagt gaatgtagca tctagttaat tggtcaatta ggtaccattg tgggatgtga 47120 attaccaaat aggttttatt ctttagaata aggtgttct tttcatcca attttgtaaa 47220 tgatgttata ttacatagtc agaaatatat atattggcaa aattagttac cagtataagc 47280 ttcaaaatgt cactatttc acaaattttt ttttttttt tttttttt	acattcgttc	aggtatatgc	aggtaaaata	acttaggttt	ctactcccac	ccccgacagt	47040
attaccaaat aggttttatt ctttagaata aggtgtttct tttcatctca atttgtaaa 47220 tgatgttata ttacatagtc agaaatatat atattggcaa aattagttac cagtataagc 47280 ttcaaaatgt cactatttc acaaatttt ttttttttt tttttttt	aacagtgaga	tttttaggta	gctcagtcac	cacaggagtg	tgccttctca	gttcaaaggt	47100
tgatgttata ttacatagtc agaaatata atattggcaa aattagttac cagtataagc 47280 ttcaaaatgt cactatttc acaaatttt ttttttttt tttttttt	aaattccagt	gaatgtagca	tctagttaat	tggtcaatta	ggtaccattg	tgggatgtga	47160
ttcaaaatgt cactatttc acaaatttt tttttttt tttttttga catggagtct 47340 cactctgcg ccaggctgga gtgcagtggc atgatctgg ctcactgcaa cctctgcctc 47400 ccaggttcaa gtgattctcc tgcctcagcc tcctgagtag ctgggattac aggcgtttgc 47460 caccatgcct agctaatttt tgtatttta gtaggagcag ggtttcacca tgttggccag 47520 gatggtctcg atctcttgac ctcattatcc ctccaccttg gcttcccaaa gtgctgggat 47580 tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggact 47640 tggttgtggt ttttctggtt tttctgagat ctagtttgaa aattctgaca actagcaaag 47700 tatatggaag ctcttcagg aaatagtaaa catatttctt tttacagcct aatagtccaa 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgttt tatattaaat ttcattaatt tttagtctga agtgactttg agttcactt 47940 gtttttatt tataaggtg ggccattgta aaaacccatt tttctactcag gtatatgaac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48000 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatccct acccacatac ataaagaac tactagtgcc 48300 gaggtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48400 aaatgattgt gatagtacat gattttaaa cttatagca acttcctgat atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta ttttttgagat 48400 aaatgatgt gatagtacat tccaaaaac ctaaaaaac ctaactctgat atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta ttttttgagat 48480 aaatgatgt gatagtacat ctcaaaaacc ttcaaaaacc acccataac ataaatgccc 48540 aaacgcaaat tcttgagaac tcaaaaaacc ttctaaacccata acccataaca acccataca acccatacaca acccatacacacac	attaccaaat	aggttttatt	ctttagaata	aggtgtttct	tttcatctca	attttgtaaa	47220
cactetyteg ceaggetyga gygeagyge atgatetyg eteaetygaa cetetygete 47400 ceaggtteaa gygattee tgeeteagee teetgagyaa etgggattae aggegytteg 47520 gatggteteg atetetyga eteaetyg gytteaeca tgytggeag 47520 gatggteteg atetetyga eteatyga eteaetyg getteecaaa gygetyggat 47580 tacaggegy agceaetyg eecaggetyg thaaataaa ttyataaac acgatggaet 47640 tggttygtg tyttetyggt tteetgagaa eatagtaaa eatatteety ttacaggaa eatagyaa 47700 tatatggaag ettetteagg aaatagyaaa eatatteety ttacagee aatageaaag 47700 gygaatattg tyttatyg gatagyaa tyggeaaa agaaccatt teetaetagy gaattggag 47820 aaaaacttt tgetgaagae acagaagea agaaccatt teetaetag gyaattggaa 47880 ttatttgtt tatataaat teetataatt ttagtetga agtgaetty agtteeatt 47940 gyttitatt tataaagy gyeeattga aaaaccatt tattgetg ttaaaggae 48000 acagattag acttggagat gytageeee tatateeea tggatgatga etteeagae 48000 egyteetteg ateagytge accattagaa ageagyteeg eaageeetga aagegeaagt 48120 eeteaaagea eagtaeega ateecaatae aagaacctae tgetaatgee 48180 accactacea etgetaeaga teecaataea aaaacagtga eaaaagaeeg 48240 attaaaata tgattgeate teeateee accacatae ataaagaac tactagyee 48300 acateatea eagaacaga aaaateea eegaaggaaaa 48360 gyagteatag aacagaaga aaaateea eegaaggeee etaaeggee 48420 ttgagteaaa gytattata tgtaacatte aggtaagee etaaeggta accaaaaga agaaggaaaa 48360 gyagteaaa aggattataa tgtaacate eeaaaaacee etaaeggee etaaeggee 48480 aaatgtaag gatttataa tgtaacatte aggtaatag teettaatage 48480 aaatgtatg gatagtaea gattttaaa tgtaacatte aagttaagt teetttata tttttgagat 48480 aaatgtatg gatagtaea teetaaaacee teetaaaacee teetaaagaa teetaaggaa teetaaaacee teetaaagaa teetaagaa teetaagaa teetaagaa teetaaagaa teetaagaa 48480 aaatgtatg gatagtaea teetaaaacee teetaaaacee teetaaaacee 48480 aaatgtatg gatagtaea teetaaaacee teetaaaacee teetaaaacee 48480 aaatgtatg gatagtaea teetaaaacee teetaaaacee teetaaaacee teetaaacee 48480 aaatgtaagee teaaaaacee teetaaaacee teetaaaacee teetaaacee 48480	tgatgttata	ttacatagtc	agaaatatat	atattggcaa	aattagttac	cagtataagc	47280
ccaggttcaa gtgattctcc tgcctcagcc tcctgagtag ctgggattac aggcgtttgc 47460 caccatgcct agctaatttt tgtatttta gtagagacga ggtttcacca tgttggccag 47520 gatggtctcg atctcttgac ctcattatcc ctccaccttg gcttcccaaa gtgctgggat 47580 tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggact 47640 tggttgtgg ttttctggtt tttctgagat ctagtttgaa aattctgaca actagcaaag 47700 tatatggaag cttcttcagg aaatagtaaa catattctt tttacagcct aatagtccca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgtt tatattaaat ttcattaatt tttagtctga agtgactttg agttcactt 47940 gtttttatt tataaagtgt ggccattgta aaaacccatt tattgctgt tttaaaggac 48000 acagattag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct accacaatac ataaagaaac tactagtgcc 48300 ggagtcatag aacagcaga aaaatccat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tctttatta tttttgagat 48480 aaatgtatg gatagtacat gattttaaa cttaagcaa acttctgat atctttgata ttttttaa 648540 taacgcaaat tcttgagaac tcaaaaacc ttcttaata tttttttctt 48600	ttcaaaatgt	cactattttc	acaaatttt	tttttttt	tttttttga	catggagtct	47340
caccatgcct agctaatttt tgtatttta gtagagacga ggtttcacca tgttggccag 47520 gatggtctcg atcetetgac ctcattatec etceaecttg getteceaaa gtgetgggat 47580 tacaggegtg agccactgag eccggectag ttaaataaaa tttgataaac acgatggact 47640 tggttgtgt tttetggtt ttettgagat etagttgaa aattetgaca actagcaaag 47700 tatatggaag ettettcagg aaatagtaaa eatatteett tttacagect aatagtecca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga atteaagttg gaattggtag 47820 aaaaactttt tgetgaagac acagaagcaa agaacccatt ttetactcag gtatatgaac 47880 ttatttgtt tatattaaat tteattaatt tttagtetga agtgactttg agttteaect 47940 gtttttatt tataaggtgt ggccattgta aaaacccatt ttetectggt tttaaaggac 48000 acagatttag acttggagat gttageteec tatateccaa tggatgatga ettecagtta 48060 egtteetteg atcagttgt accattagaa agcagtteeg eaagecetga aagegeagt 48120 ecceaaagca cagttacagt attecageag acteaaatac aagaacctac tgetaatgee 48180 accactacca etgecaccae tgatgaatta aaaacagtga eaaaagaceg tatggaagac 48240 attaaaatat tgattgeate tecatecte accacaatac ataaagaac tactagtgee 48300 gagtcatag aacagacaga aaaatectaa ecaaagaccg eaagacagaa 48360 ggagtcatag aacagacaga aaaatectaa ecaagaagee etaacggagaaaa 48360 ggagtcatag aacagacaga aaaatectaa ecaagaagee etaacggtt atetgteget 48420 ttgagtcaaa ggtattata tgtaacatte aagttatagt tetttataa tttttgagat 48480 aaatgtatg gatagtacat gattttaaa ettaageaa acttectgat atatatgee 48540 taacgcaaat tettgagaac tecaaaaac tectaatatgee tettaaacgtaa acatgaacat tettgagaa tecaaaaac tecaaaacat tetttgagat 48480 aaatgtatgt gatagtacat gattttaaa ettatagcaa acttectgat atatatgeee 48540 taacgcaaat tettgagaac tecaaaaacc tecaaaaca tectaatat tetttetett 48600	cactctgtcg	ccaggctgga	gtgcagtggc	atgatcttgg	ctcactgcaa	cctctgcctc	47400
gatggtctcg atctcttgac ctcattatcc ctccaccttg gcttcccaaa gtgctgggat 47580 tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggact 47640 tggttgtgtg ttttctggtt tttctgagat ctagtttgaa aattctgaca actagcaaag 47700 tatatggaag cttcttcagg aaatagtaaa catattctt tttacagcct aatagtccca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgtt tatattaaat ttcattaatt tttagtctga agtgactttg agttcactt 47940 gtttttatt tataaggtg ggccattga aaaactcatg tatttgctgt tttaaaggac 48000 acagattag acttggagat gttagctcc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48340 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct accaccaatac ataaagaac tactagtgcc 48300 acatcatcac catatagaa tactcaaagt cggacagcct caccaacaag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttctctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaacc ttctaaatac tcttgagaac tctaaaaacc ttctaaaccc 48540 taacgcaaat tcttgagaac tcaaaaaacc ttctaaaaccc tctaacacca tgatgaacat tcttaaaaccc ttctaaaccc ttctaaaccc 48540 taacgcaaat tcttgagaac tcaaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaccc 48540 taacgcaaat tcttgagaac tcaaaaaacc ttctaaaaccc ttctaaaccc ttctaaaccc 48540 taacgcaaat tcttgagaac tcaaaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaaccc ttctaaaccc ttctaaaccc ttctaaaccc ttctaaaaccc ttctaaaccc t	ccaggttcaa	gtgattctcc	tgcctcagcc	tcctgagtag	ctgggattac	aggcgtttgc	47460
tacaggcgtg agccactgag cccggcctag ttaaataaaa tttgataaac acgatggact 47640 tggttgtgtg ttttctggtt tttctggat ctagtttgaa aattctgaca actagcaaag 47700 tatatggaag cttcttcagg aaatagtaaa catatttctt tttacagcct aatagccca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgtt tatattaaat ttcattaatt tttagtctga agtgactttg agttcactt 47940 gtttttatt tataaaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgt accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accattacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctct acccacatac ataaagaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgcgct 48420 ttgagtcaaa ggtatttata tgtaacattc acagtatagt tctttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttcttgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaacc tctaaaaacc tctaaaaccc 48540 taacgcaaat tcttgagaac tcaaaaacc tctaaaaacc tctaaaaccc 48540 taacgcaaat tcttgagaac tcaaaaacc tctaaaaccc 48540 taacgcaaat tcttgagaac tcaaaaacc tctaaaaccc 48540	caccatgcct	agctaatttt	tgtattttta	gtagagacga	ggtttcacca	tgttggccag	47520
tagttgtgtg ttttctggtt tttctgagat ctagtttgaa aattctgaca actagcaaag 47700 tatatggaag cttcttcagg aaatagtaaa catattctt tttacagcct aatagtccca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgttt tatattaaat ttcattaatt tttagtctga agtgactttg agtttcactt 47940 gtttttatt tataaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgt accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatccct acccacatac ataaagaac tactagtgcc 48300 accactacca catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tctttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaacc tccaaaacc tccaaaacc 48540	gatggtctcg	atctcttgac	ctcattatcc	ctccaccttg	gcttcccaaa	gtgctgggat	47580
tatatggaag cttcttcagg aaatagtaaa catatttctt tttacagcct aatagtccca 47760 gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgttt tatattaaat ttcattaatt tttagtctga agtgactttg agtttcactt 47940 gtttttatt tataaaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagcaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttcctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaacat tcttgagaac tcaaaaacat tcttgagaac tcaaaaacat tcttaaacat tttttaaa cttaagcaa acttcctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaacat tcttaaacat ttttttcttt 48600	tacaggcgtg	agccactgag	cccggcctag	ttaaataaaa	tttgataaac	acgatggact	47640
gtgaatattg tttttatgtg gatagtgata tggtcaatga attcaagttg gaattggtag 47820 aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgttt tatattaaat ttcattaatt tttagtctga agtgactttg agtttcactt 47940 gtttttatt tataaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct accacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tctttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttcctgat ataatagccc 48540 taacgcaaat tcttgagaac tcaaaaacc ttctaaatta acctcatata tttttcttt 48600	tggttgtgtg	ttttctggtt	tttctgagat	ctagtttgaa	aattctgaca	actagcaaag	47700
aaaaactttt tgctgaagac acagaagcaa agaacccatt ttctactcag gtatatgaac 47880 ttatttgtt tatattaaat ttcattaatt tttagtctga agtgactttg agtttcactt 47940 gtttttatt tataaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gatttttaaa cttatagcaa acctccatata tttttcttt 48600 taacgcaaat tcttgagaac tcaaaaaact ttctaaaatta acctcatata tttttcttt 48600	tatatggaag	cttcttcagg	aaatagtaaa	catatttctt	tttacagcct	aatagtccca	47760
ttatttgttt tatattaaat ttcattaatt tttagtctga agtgactttg agttcactt 47940 gtttttatt tataaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaaatta acctcatata ttttttcttt 48600	gtgaatattg	tttttatgtg	gatagtgata	tggtcaatga	attcaagttg	gaattggtag	47820
gtttttatt tataaggtgt ggccattgta aaaactcatg tatttgctgt tttaaaggac 48000 acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct accacactac ataaagaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tctttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	aaaaactttt	tgctgaagac	acagaagcaa	agaacccatt	ttctactcag	gtatatgaac	47880
acagatttag acttggagat gttagctccc tatatcccaa tggatgatga cttccagtta 48060 cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttcctgat atatagccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	ttatttgttt	tatattaaat	ttcattaatt	tttagtctga	agtgactttg	agtttcactt	47940
cgttccttcg atcagttgtc accattagaa agcagttccg caagccctga aagcgcaagt 48120 cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtattata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttcctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	gttttttatt	tataaggtgt	ggccattgta	aaaactcatg	tatttgctgt	tttaaaggac	48000
cctcaaagca cagttacagt attccagcag actcaaatac aagaacctac tgctaatgcc 48180 accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tctttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa acttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	acagatttag	acttggagat	gttagctccc	tatatcccaa	tggatgatga	cttccagtta	48060
accactacca ctgccaccac tgatgaatta aaaacagtga caaaagaccg tatggaagac 48240 attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	cgttccttcg	atcagttgtc	accattagaa	agcagttccg	caagccctga	aagcgcaagt	48120
attaaaatat tgattgcatc tccatctcct acccacatac ataaagaaac tactagtgcc 48300 acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	cctcaaagca	cagttacagt	attccagcag	actcaaatac	aagaacctac	tgctaatgcc	48180
acatcatcac catatagaga tactcaaagt cggacagcct caccaaacag agcaggaaaa 48360 ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	accactacca	ctgccaccac	tgatgaatta	aaaacagtga	caaaagaccg	tatggaagac	48240
ggagtcatag aacagacaga aaaatctcat ccaagaagcc ctaacgtgtt atctgtcgct 48420 ttgagtcaaa ggtatttata tgtaacattc aagttatagt tcttttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	attaaaatat	tgattgcatc	tccatctcct	acccacatac	ataaagaaac	tactagtgcc	48300
ttgagtcaaa ggtatttata tgtaacattc aagttatagt tctttatta tttttgagat 48480 aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	acatcatcac	catatagaga	tactcaaagt	cggacagcct	caccaaacag	agcaggaaaa	48360
aaatgtatgt gatagtacat gattttaaa cttatagcaa actttctgat atatatgccc 48540 taacgcaaat tcttgagaac tcaaaaaact ttctaaatta acctcatata tttttcttt 48600	ggagtcatag	aacagacaga	aaaatctcat	ccaagaagcc	ctaacgtgtt	atctgtcgct	48420
taacgcaaat tottgagaac toaaaaaact ttotaaatta acctoatata ttttttottt 48600	ttgagtcaaa	ggtatttata	tgtaacattc	aagttatagt	tcttttatta	tttttgagat	48480
	aaatgtatgt	gatagtacat	gatttttaaa	cttatagcaa	actttctgat	atatatgccc	48540
ttctttcttt tttttttt tgagacagag tctcgctttg tcgcccaggc tggagtgcaa 48660	taacgcaaat	tcttgagaac	tcaaaaaact	ttctaaatta	acctcatata	ttttttcttt	48600
	ttctttcttt	tttttttt	tgagacagag	tctcgctttg	tcgcccaggc	tggagtgcaa	48660

tggcatggca	ccatctcagc	tcacggcaac	ctctgcctcc	tgggtgcaag	agattctcct	48720
gcctcagcct	cccgagtagc	tgggattaca	ggcatgcacc	accacgcccg	gctgattttt	48780
ttggtatttt	tcatagagac	agggtttctc	cacgttggtc	aggctggtct	caaactcccg	48840
acttcaggtg	atccgcctgc	ctcagcctcc	gaaagagctg	ggattacagg	tgtgagccac	48900
catgcccgct	cctattttt	ctaaaataat	tataaattct	aaaattacct	atctaaatgg	48960
aggagggtct	tctgacacct	ttaaaataaa	atccagctca	gtactgtaaa	tgtgtttaca	49020
gaacttgttt	aaagttctta	cagttgttta	aatcagacta	gttaactacc	ctcactactt	49080
agatgcttcc	atttcttaga	gctcttttt	aagcttatct	gaagaaaagc	ccttccaatt	49140
taagggttat	ttccaattgc	acattccaaa	ttgagccttc	catcttcagc	attcaatata	49200
gatatttaca	ggcccctctt	ttaaaatttt	attatagtta	acttgtatta	aagttgcttt	49260
tatttttcat	tacgtatttg	tagaacatta	gctatatata	tattgcaggc	tacataggtt	49320
ttcaaactgt	acaacaggaa	tctaagcatg	aattgttact	tctatggagc	tagttcaaac	49380
aaacatatgg	acatgaccca	atttttaagt	tatactttct	gtatataatt	tgtaagggga	49440
tttcacatat	tttaagtttg	aggctatagc	tagaagaaat	taagttttat	ctaataagtg	49500
tgtggaaaag	ggaaatgatt	ccttctctac	tatgtctaga	ctaagccaga	tatcaatagc	49560
aataggaaag	aaccactgtc	gtagccagaa	cacatagctt	ttttccctgc	ctaacattcc	49620
caccttgacc	tagagtgctg	ggagaggtct	tttccctaag	cttggaaaag	acattggggc	49680
tttagatgaa	ctcagaagta	ctttacatta	ctttatttac	tgtgtcactt	actcactttt	49740
gactctgagc	tccacgaggg	caatcacagt	gtcttgggca	ttttagtgat	actaatactt	49800
agctcatgac	ctaatgtgta	gtacttcctc	aataaatggt	tgttgaggca	gggcgcagtg	49860
gctcatcact	gtaatctcag	cactttggga	ggctgaagcg	ggtggatcac	ctgaggccaa	49920
gagtttcaga	ccagcctggc	caacatggtg	aaacccggtc	tactaaaaat	gcaaaaatta	49980
gctgggcgtg	gtggcacgtg	cctgtaatcc	cagctacttt	gggaggttga	ggcaggagaa	50040
ttgcttgaac	cctggaggtg	gaggctgcag	tgagccgaga	tcgtgccatt	gcactccagc	50100
ctgggcgaga	agagtgaaac	tcggtttcaa	aaaaaaaaa	aaaaaaaaa	gttgttggac	50160
tgacagatgc	atgaatacag	tagtaaaaat	gacaatcact	tataagttac	agtttactat	50220
cagctacaga	ggatgggata	tccagttttc	tgaacaactg	ttctcttgta	cttgtcaaag	50280
ccaaagtgta	acaacacatc	aagtcacttt	agcaatttat	ttttgagacg	gagttttgct	50340
cttgttgccc	aggctggagt	gcaatggcgt	gatctcggat	cttggctcac	cgcaactgcc	50400
gcctcgctgg	ttcaagcaaa	tctcgtgcct	cagcctcccg	agtagctggg	attacaggca	50460
tgcaccacca	cacccagcta	attttgtatt	tttagtagag	acagtgtttc	tccaggttga	50520
țcaggctggt	ctcaaactcc	cgacctcagg	tgatccacct	gcctcagcct	cccaaagtgc	50580
tgggatgaca	gttgtgagcc	actgtgccca	gctagcaact	gtttttaaac	attagttcca	50640
atgtagtgta	cactgaaaac	ttttatgaaa	ggaatttcaa	aaattaagat	aaaccattaa	50700
aaacgtaatt	actaagtact	actactacta	caatgatatt	tacataatag	actgagttac	50760

atttcataaa	gacaatatat	ctgtataaga	attttaaac	ttccctgtct	atataataga	50820
agttttagag	aaattttta	aaaaccaaag	aaaactgcaa	aataagatca	cttacctatt	50880
tggcattctc	aactgtctgg	aacagcaagg	agccattatg	attatgcatt	tggtttgtgg	50940
ggtgtcttga	aaagtcaaaa	taatgtaaca	aagctgatgt	actttactca	ttagaacaat	51000
tcttcacaat	ttaatattaa	ttttagatat	acatagttca	tgtttgataa	ccagatcaat	51060
actgagtgaa	aaatagcata	gtgggaagag	caggggaggg	gaggtaggga	tctggagacc	51120
tagagtgtac	ttccatattg	caactagtga	gcagtaggac	tttgagaaag	ttacccaata	51180
ggcctcaggg	ttctaattta	taaaatgggt	atgatatgcc	tgccttatct	gtcttgggaa	51240
cttaagtaag	gttaaaatga	actaatgaac	ttgaaatgtt	ttataaactg	aaaatgctat	51300
acgaatgtga	gattgatctt	gtatttcaat	agtcccaaca	atatcactgc	attgttatat	51360
taggtggaat	aaaaggacaa	tatttaactg	ttttgactct	acaatagtgt	caatttagtt	51420
gtgttcagct	ctattttata	aaatagggat	acgcatactg	tagaaaattt	cctgttaaat	51480
taagctttga	cggccaggtg	ctcacgcctg	taatcccagc	actttgggag	gccaaggtgg	51540
gcagatcact	tgcgctcagg	agtttgagac	cagcctgagc	aacatagtga	aatcctgtct	51600
ctacaaaaat	atgtatatat	aaattagtca	taatcccagc	tacttgagag	gctgaggtgg	51660
gaggatcact	tgattccaga	ggcagggctt	ggttgcagta	agcagagatc	acgtctctgc	51720
actccagcct	ggctgacaga	gtaagaccgt	gtttcaccaa	aaaaaaaaa	aaaaaattaa	51780
gcttttactt	ttaagatgat	aaactttagt	gatcaggaaa	gttatcttat	gtatattata	51840
ttccttaata	ttggagaact	aaagaattat	gtattttctt	taaaagcgct	cactggatat	51900
ttttttaaa	aacgctatat	tttcatttag	aattttttc	ttttcagaac	tacagttcct	51960
gaggaagaac	taaatccaaa	gatactagct	ttgcagaatg	ctcagagaaa	gcgaaaaatg	52020
gaacatgatg	gttcactttt	tcaagcagta	ggaattgtaa	gtatgagtag	taggttttgc	52080
ttttctagct	aatgtgctat	ttcgtgtgtg	tgtgtgtgtg	tgtgtgtg	tgtgtgtttc	52140
cacgtttctt	ccaaatagta	aagttatatt	ttcagaagtt	atacattggg	tttttttact	52200
ctgtatgcac	tggtttttaa	aaatacaaat	gtttaataca	tacattcttg	gtataaaaat	52260
tccaaacaat	tccagtgtat	tttgagttaa	aaagtgaagt	tctcccctta	ctccaccctg	52320
aatatcacca	ccaatctcat	tctcttccct	ttaagttact	ttgccttatt	aaaagaactg	52380
ctattggcca	ggcacagtgc	ctcacgcctg	taatcccagc	actttgggag	gccaagatga	52440
ggatcacttg	aggtcaggag	ttcgagacca	gcctggccaa	cttggtgaaa	ccctgtctct	52500
actaaaaata	caaaaattag	ccaggcgtgt	tggtgcacaa	ctataatccc	agccactctg	52560
gaggctgagg	caggagaata	gcttgaaccc	gggaggtgga	ggttgcgatg	agctgagatc	52620
aggccact <b>g</b> c	actccagcct	gggtaagaga	gtgagagtcc	atctcatatt	taaaaaagaa	52680
ctgctatgtt	ttggggtaag	tcaatggtgg	tataatacat	tctgatattt	tcaaactaaa	52740
ttaactggaa	agtatttata	gacagaatgg	tcataatgga	tgacaaataa	cttaagaaag	52800
aattcaaaat	aatttagggt	agtatttaag	aaactgccta	taatgttatt	aaatttacac	52860

caatttcaag	gtttttggtt	gtttaaaaaa	aaaattcaac	aaactaaact	tgaaataact	52920
ttactgttta	tagggaacat	tattacagca	gccagacgat	catgcagcta	ctacatcact	52980
ttcttggaaa	cgtgtaaaag	gatgcaaatc	tagtgaacag	aatggaatgg	agcaaaagac	53040
aattattta	ataccctctg	gttagtttat	tctttttgac	cttgaacatc	acaaagacaa	53100
aatacatgaa	acatttttat	ttaggagctt	taatctaagt	gagaatgact	ttggttcctt	53160
agcaagatta	aaaagtaaag	ttgtggctgg	gcgcggtggc	tcacacctgt	aatcccagca	53220
ctttgggagg	ccgaggcagc	cagatcatct	gaggtcagga	gttggagacc	agcctggcca	53280
ccatggtgaa	accccgtctc	tactaaaaat	acaaaaatta	gctgggcgtg	gtggcgggcg	53340
cctgtaatcc	cagctacttg	ggaggctgag	gcatgagaat	tgcttgaacc	cggaaggcag	53400
aggttgcagt	gagccaagat	ggcaccactg	cactccagcc	tgggcgacaa	gggtgagact	53460
ctgcctcaaa	aaaaaaaaa	aaaaaagta	cagttgtatt	tcatgtgatg	gtcttaatac	53520
agagattaac	atttcaaggt	ggagcttttc	atttttagta	attttctttg	atttctctat	53580
gtccatgtgc	tgtcaatatt	gatagaagct	gaaatttgtg	aacttttatg	acttctttt	53640
tttttttt	tttttttgag	acagggtctc	gctctgttgc	ccaggcctgg	agtgcagtgg	53700
catgatcata	gctcactgca	gtctcaaact	cctgtgctca	agctcaagca	atcatcctac	53760
ctcagcctcc	tgagtagctc	gcactacaga	catgcctcac	cacacccggt	tgctttttgt	53820
agagatgggg	tctcactatg	ttgcctaggc	tggtttcaaa	ctcctggcct	caagtgatcc	53880
tcctgcctca	gcctgtgcta	ggattacagg	catcagcttt	gatgcccacc	atatttatgc	53940
ctttttccaa	attgttattt	ctttgtgcct	ttattgtatc	ctgtaaacat	ttctgacaca	54000
gcaacagtat	cactggatta	tacttacttt	ttaacatagt	tgtggttttg	ccaggtaaac	54060
taaaaaccct	tccagaattt	tgctttattt	tctatgatac	ctaacacatt	gtgggtgttt	54120
aataaatatt	cattgactag	atgaatgtat	acttaggtat	ctcttttgtt	tttcagattt	54180
agcatgtaga	ctgctggggc	aatcaatgga	tgaaagtgga	ttaccacagc	tgaccagtta	54240
tgattgtgaa	gttaatgctc	ctatacaagg	cagcagaaac	ctactgcagg	gtgaagaatt	54300
actcagagct	ttggatcaag	ttaactgagc	tttttcttaa	tttcattcct	ttttttggac	54360
actggtggct	cattacctaa	agcagtctat	ttatattttc	tacatctaat	tttagaagcc	54420
tggctacaat	actgcacaaa	cttggttagt	tcaattttga	tcccctttct	acttaattta	54480
cattaatgct	cttttttagt	atgttcttta	atgctggatc	acagacagct	cattttctca	54540
gttttttggt	atttaaacca	ttgcattgca	gtagcatcat	tttaaaaaat	gcaccttttt	54600
atttatttat	ttttggctag	ggagtttatc	cctttttcga	attatttta	agaagatgcc	54660
aatataattt	ttgtaagaag	gcagtaacct	ttcatcatga	tcataggcag	ttgaaaaatt	54720
tttacacctt	ttttttcaca	ttttacataa	ataataatgc	tttgccagca	gtacgtggta	54780
gccacaattg	cacaatatat	tttcttaaaa	aataccagca	gttactcatg	gaatatattc	54840
tgcgtttata	aaactagttt	ttaagaagaa	atttttttg	gcctatgaaa	ttgttaaacc	54900
tggaacatga	cattgttaat	catataataa	tgattcttaa	atgctgtatg	gtttattatt	54960

			1571101	U.3123.CXC		
taaatgggta	aagccattta	cataatatag	aaagatatgc	atatatctag	aaggtatgtg	55020
gcatttattt	ggataaaatt	ctcaattcag	agaaatcatc	tgatgtttct	atagtcactt	55080
tgccagctca	aaagaaaaca	ataccctatg	tagttgtgga	agtttatgct	aatattgtgt	55140
aactgatatt	aaacctaaat	gttctgccta	ccctgttggt	ataaagatat	tttgagcaga	55200
ctgtaaacaa	gaaaaaaaaa	atcatgcatt	cttagcaaaa	ttgcctagta	tgttaatttg	55260
ctcaaaatac	aatgtttgat	tttatgcact	ttgtcgctat	taacatcctt	tttttcatgt	55320
agatttcaat	aattgagtaa	ttttagaagc	attattttag	gaatatatag	ttgtcacagt	55380
aaatatcttg	ttttttctat	gtacattgta	caaattttc	attccttttg	ctctttgtgg	55440
ttggatctaa	cactaactgt	attgttttgt	tacatcaaat	aaacatcttc	tgtggaccag	55500
gcccctttga	tcagctttta	tgttcaaata	ttaataatat	ttgcttcaac	acctccaact	55560
cataaaattg	tttaccaaca	atttaagcac	ttatgaaaat	tacatggtac	tggttatttc	55620
tacatttatc	ttagtgccat	caccttaatg	tatgttgagt	ccctaaatgt	catgttaaat	55680
aataacaacc	ataatatccc	attgaaaaga	gtatgttgtt	agaaaagaaa	catcattttt	55740
aagtttctga	gcctattaaa	atgctcaaac	acaaaatatt	agtatttta	aaatatgaat	55800
gggatgagtg	aagcagttct	cagcattata	gtcacaatgt	tacaaaggct	agagcttctc	55860
tgaagatttc	taatctgttc	ccattaacag	attaataaat	ttagacttca	aatgaataat	55920
ttgcccaago	tttaaaagta	atagatggca	gaccaaaaat	gtaagcttaa	gtttcctgac	55980
tctaaagtca	aacttagaac	aaatttggṭt	tgtttttgtt	ttaatgatac	tgcgttttaa	56040
aacaaagtag	ctttatcctt	tttctcctgt	atttttcttt	tacaaaatag	ctgtatttct	56100
tttatactga	taatctcatt	tttaaaaatc	agacagtgta	gaaagatatt	ttttaaaaca	56160
gaaaaatcac	tatgaatccc	tgcacctaca	ggtacagaaa	attatttta	tgaacaaatt	56220
atgtaggaag	tgccagagcc	ttaggtcctt	taccctgagg	tatatatact	gaacaaaagg	56280
aactgagcca	cagatctctt	aggtagctct	ttttatctta	caatggagga	cagtgattac	56340
aattatatga	aaattttgga	acaaaagtta	atactaagat	tcagtgcaaa	atttgggggg	56400
gggggggca	caggtatact	taagcacaaa	cactgtgacc	caaagtgctt	caacatttag	56460
ttacagatag	tagtatacta	gaagtggtat	tttagaataa	agtggttgct	tagtattcac	56520
aggtcacaaa	acaaaaaatt	attcttgtat	agcaaattag	cttcagttga	aaactatttg	56580
taaaagcaga	ttatgtaatg	accaggagtt	caggaaaatg	acttctgaaa	gcattgagaa	56640
gggaaagcca	cgttaaagga	cagtacagct	ggaaggaagc	aagtacttac	ccactgctca	56700
gtcactaaga	caacaagctc	cttggagtgc	tttaagctac	ggaatagcag	aactggccct	56760
tcccaatttt	atgcaccgtc	acaaatttct	tcataatggt	tttgtccaag	gcttataacc	56820
caaccctgg	: aactataatc	cttactttat	gaaacagctg	tatttcttt	atactcataa	56880
cccagaaaaa	tgagaatgta	tgttctgagt	ataaaagaaa	tgtagctatt	ccataaaaat	56940
acaggagaaa	aagaataaag	ctattttaat	ttttttaatg	cagtatcatt	aaaaaacaaa	57000
ccaagtttgt	tctaagtttg	actttagagt	caggagactt	aagcttacat	ttctggtctg	57060

```
ISPT1010.ST25.txt
ccatctatta cttttagagc ttgggtaaat cttcatttga gatctaaatg ctatatatag 57120
ttcattcata gcagtaccag ataagggagg agtatatcta tacagtatat agtcttgaag
                                                                     57180
aagtgatcta aggctcggag cttttgaggt ggccatgagt gactccaaag tccatggagc 57240
taaccacct gcagtgctag ccaatccagt tgaacatacc cttttctcca ttgttaactg
                                                                     57300
tttgtttaaa tagcaaacag aaggcggcaa tggaggtgtg gaaaactgag gatccgatgt
                                                                     57360
cacttgaaag taatgagatc acataacatt gagggaatgt cctaagagga gtggcagggc
                                                                     57420
ataaatagaa atgaataaaa gtgttttcaa gtgccattta gtgggttctg aatttgaact 57480
agagattgag atatccagtt
                                                                     57500
<210> 12
<211>
       754
<212>
      DNA
<213> Homo sapiens
<300>
<308> AU123241
<309> 2000-10-23
<313> (1)..(754)
<220>
<221> misc feature
<222> (92)..(92)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222> (181)..(181)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222>
      (559)..(559)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222>
      (598) .. (598)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (628)..(628)
```

<220>

<221> misc\_feature

<222> (678)..(678) <223> n is a, c, g, or t

<223> n is a, c, g, or t

<220>

<221> misc\_feature <222> (687)..(687)

(687)..(687)

<223> n is a, c, g, or t

<220>

<221> misc\_feature

<222> (694)..(694)<223> n is a, c, g, or t

<220>

```
<221> misc feature
<222> (718)..(718)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222>
      (748) .. (748)
<223> n is a, c, g, or t
<400> 12
ccctgacgct gcctcagctc ctcagtgcac agtgctgcct cgtctgaggg gacaggagga
                                                                       60
tcaccctctt cgtcgcttcg gccagtgtgt cnggctgggc cctgacaagc cacctgagga
                                                                      120
gaggetegga geegggeeeg gaeeeeggeg attgeegeee gettetetet agteteaega
                                                                      180
ngggtttccc gcctcgcacc cccacctctg gacttgcctt tccttctctt ctccgcgtgt
                                                                      240
                                                                      300
ggagggagcc agcgcttatg ccggagcgag cctgggggcc gcccgccgtg aagacatcgc
ggggaccgat tcaccatgga gggcgccggc ggcgcgaacg acaagaaaaa gataagttct
                                                                      360
gaacgtcgaa aagaaaagtc tcgagatgca gccagatctc ggcgaagtaa agaatctgaa
                                                                      420
gttttttatg agcttgctca tcagttgcca cttccacata atgtgagttc gcatcttgat
                                                                      480
aaggcetetg tgatgagget taccateage tatttgegtg tgaggaaact tetggatget
                                                                      540
ggtgatttgg atattgaana tgacatgaaa gcacagatga attgctttta tttgaaancc
                                                                      600
ttgggatggt tttgttatgg ttctcccnca tgatggtgac atgattttac atttcttgat
                                                                      660
aatgttgaaa caaatacntt gggattnact tcanttttga aacttaactg ggaaacantg
                                                                      720
tgttttgatt tttactccat cccatgtnaa ccat
                                                                      754
<210> 13
<211>
       3551
<212>
       DNA
<213> Homo sapiens
<300>
<308> AB073325.1
<309> 2001-10-23
<313> (1)..(3551)
<220>
<221> misc_feature
<222>
      (29)...(2236)
<223> CDS
<400> 13
gtgaagacat cgcggggacc gattcaccat ggagggcgcc ggcggcgcga acgacaagaa
                                                                       60
aaagataagt totgaacgto gaaaagaaaa gtotogagat goagooagat otoggogaag
                                                                      120
taaagaatct gaagtttttt atgagcttgc tcatcagttg ccacttccac ataatgtgag
                                                                      180
ttcgcatctt gataaggcct ctgtgatgag gcttaccatc agctatttgc gtgtgaggaa
                                                                      240
                                                                      300
acttctggat gctggtgatt tggatattga agatgacatg aaagcacaga tgaattgctt
ttatttgaaa gccttggatg gttttgttat ggttctcaca gatgatggtg acatgattta
                                                                      360
catttctgat aatgtgaaca aatacatggg attaactcag tttgaactaa ctggacacag
                                                                      420
                                                                      480
tgtgtttgat tttactcatc catgtgacca tgaggaaatg agagaaatgc ttacacacag
```

			************	0.0005		
aaatggcctt	gtgaaaaagg	gtaaagaaca		0.ST25.txt cgaagctttt	ttctcagaat	540
gaagtgtacc	ctaactagcc	gaggaagaac	tatgaacata	aagtctgcaa	catggaaggt	600
attgcactgc	acaggccaca	ttcacgtata	tgataccaac	agtaaccaac	ctcagtgtgg	660
gtataagaaa	ccacctatga	cctgcttggt	gctgatttgt	gaacccattc	ctcacccatc	720
aaatattgaa	attcctttag	atagcaagac	tttcctcagt	cgacacagcc	tggatatgaa	780
attttcttat	tgtgatgaaa	gaattaccga	attgatggga	tatgagccag	aagaactttt	840
aggccgctca	atttatgaat	attatcatgc	tttggactct	gatcatctga	ccaaaactca	900
tcatgatatg	tttactaaag	gacaagtcac	cacaggacag	tacaggatgc	ttgccaaaag	960
aggtggatat	gtctgggttg	aaactcaagc	aactgtcata	tataacacca	agaattctca	1020
accacagtgc	attgtatgtg	tgaattacgt	tgtgagtggt	attattcagc	acgacttgat	1080
tttctccctt	caacaaacag	aatgtgtcct	taaaccggtt	gaatcttcag	atatgaaaat	1140
gactcagcta	ttcaccaaag	ttgaatcaga	agatacaagt	agcctctttg	acaaacttaa	1200
gaaggaacct	gatgctttaa	ctttgctggc	cccagccgct	ggagacacaa	tcatatcttt	1260
agattttggc	agcaacgaca	cagaaactga	tgaccagcaa	cttgaggaag	taccattata	1320
taatgatgta	atgctcccct	cacccaacga	aaaattacag	aatataaatt	tggcaatgtc	1380
tccattaccc	accgctgaaa	cgccaaagcc	acttcgaagt	agtgctgacc	ctgcactcaa	1440
tcaagaagtt	gcattaaaat	tagaaccaaa	tccagagtca	ctggaacttt	cttttaccat	1500
gccccagatt	caggatcaga	cacctagtcc	ttccgatgga	agcactagac	aaagttcacc	1560
tgagcctaat	agtcccagtg	aatattgttt	ttatgtggat	agtgatatgg	tcaatgaatt	1620
caagttggaa	ttggtagaaa	aactttttgc	tgaagacaca	gaagcaaaga	acccattttc	1680
tactcaggac	acagatttag	acttggagat	gttagctccc	tatatcccaa	tggatgatga	1740
cttccagtta	cgttccttcg	atcagttgtc	accattagaa	agcagttccg	caagccctga	1800
aagcgcaagt	cctcaaagca	cagttacagt	attccagcag	actcaaatac	aagaacctac	1860
tgctaatgcc	accactacca	ctgccaccac	tgatgaatta	aaaacagtga	caaaagaccg	1920
tatggaagac	attaaaatat	tgattgcatc	tccatctcct	acccacatac	ataaagaaac	1980
tactagtgcc	acatcatcac	catatagaga	tactcaaagt	cggacagcct	caccaaacag	2040
agcaggaaaa	ggagtcatag	aacagacaga	aaaatctcat	ccaagaagcc	ctaacgtgtt	2100
atctgtcgct	ttgagtcaaa	gaactacagt	tcctgaggaa	gaactaaatc	caaagatact	2160
agctttgcag	aatgctcaga	gaaagcgaaa	aatggaacat	gatggttcac	tttttcaagc	2220
agtaggaatt	atttagcatg	tagactgctg	gggcaatcaa	tggatgaaag	tggattacca	2280
cagctgacca	gttatgattg	tgaagttaat	gctcctatac	aaggcagcag	aaacctactg	2340
cagggtgaag	aattactcag	agctttggat	caagttaact	gagcttttc	ttaatttcat	2400
tcctttttt	ggacactggt	ggctcactac	ctaaagcagt	ctatttatat	tttctacatc	2460
taattttaga	agcctggcta	caatactgca	caaacttggt	tagttcaatt	tttgatcccc	2520
tttctactta	atttacatta	atgctctttt	ttagtatgtt	ctttaatgct	ggatcacaga	2580

#### ISPT1010.ST25.txt cagctcattt tctcagtttt ttggtattta aaccattgca ttgcagtagc atcattttaa 2640 aaaatqcacc tttttattta tttatttttg gctagggagt ttatcccttt ttcgaattat 2700 ttttaagaag atgccaatat aatttttgta agaaggcagt aacctttcat catgatcata 2760 2820 cagcagtacg tggtagccac aattgcacaa tatattttct taaaaaatac cagcagttac 2880 tcatggaata tattctgcgt ttataaaact agtttttaag aagaaatttt ttttqqccta 2940 tgaaattgtt aaacctggaa catgacattg ttaatcatat aataatgatt cttaaatgct 3000 gtatggttta ttatttaaat gggtaaagcc atttacataa tatagaaaga tatgcatata 3060 tctagaaggt atgtggcatt tatttggata aaattctcaa ttcagagaaa tcatctgatg 3120 tttctatagt cactttgcca gctcaaaaga aaacaatacc ctatgtagtt gtggaagttt 3180 atgctaatat tgtgtaactg atattaaacc taaatgttct gcctaccctg ttggtataaa 3240 gatattttga gcagactgta aacaagaaaa aaaaaatcat gcattcttag caaaattgcc 3300 tagtatgtta atttgctcaa aatacaatgt ttgattttat qcactttqtc qctattaaca 3360 tccttttttt catgtagatt tcaataattg agtaatttta gaagcattat tttaggaata 3420 tatagttgtc acagtaaata tcttgttttt tctatgtaca ttgtacaaat ttttcattcc 3480 ttttgctctt tgtggttgga tctaacacta actgtattgt tttgttacat caaataaaca 3540 tcttctgtgg a 3551 <210> 14 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 14 aaagtgatgt agtagctgca 20 <210> <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 15 ggtatcatat acgtgaatgt 20 <210> 16 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 16

20

taccacgtac tgctggcaaa

<210> <211> <212> <213>	17 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgtgct	17 ttga ggacttgcgc	20
<210><211><211><212><213>	DNA ·	
<220> <223>	Oligonucleotide primer	
<400> gaaatg	18 taaa tcatgtcacc	20
<210><211><211><212><213>	19 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tcaaag	19 aggc tacttgtatc	20
<210>. <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> ttaatg	20 caac ttcttgattg	20
<210> <211> <212> <213>	21 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> atcatta	21 atta tatgattaac	20
<210><211><211><212><213>	22 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	22	

gaaagg	caag tccagaggtg	20
<210> <211> <212> <213>	23 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> taaact	23 ccct agccaaaaat	20
<210><211><211><212><213>	24 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cattag	24 cagt aggttcttgt	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> gatcat	25 gatg aaaggttact	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> aaattt	26 cata tccaggctgt	20
<210> <211> <212> <213>	27 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> agtttc	27 ctca cacgcaaata	20
<210><211><211><212><213>	28 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	

<400> actgat	28 cgaa ggaacgtaac	20
<210> <211> <212> <213>	29 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cgcttt	29 ctct gagcattctg	20
<210> <211> <212> <213>	30 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aaatca	30 aaca cactgtgtcc	20
<210> <211> <212> <213>	31 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tccttt	31 agta aacatatcat	20
<210> <211> <212> <213>	32 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> caaagt	32 taaa gcatcaggtt	20
<210> <211> <212> <213>	33 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ctagtg	33 cttc catcggaagg	20
<210><211><211><212><212><213>	34 20 DNA Artificial Sequence	

<220> <223>	Oligonucleotide primer		
<400> aatgcc	34 acat accttctaga	20	
<210> <211>	35 . 20		
<212> <213>	DNA		
	metriciar ocquence		
<220> <223>	Oligonucleotide primer		
<400>	35 gact agagagaagc	20	
cegegu	gaee agagagaage		
<210>	36		
<211> <212>	20 DNA		
<213>	Artificial Sequence		
<220> <223>	Oligonucleotide primer		
<400>	36		
atgaaa	ggtt actgccttct	20	
<210>	37		
<211> <212>	20		
<213>			
<220> <223>	Oligonucleotide primer		
<400>	37		
tcagca	ccaa gcaggtcata	20	
<210>	38		
<211>	20		
<212> <213>	DNA Artificial Sequence		
<220>			
<223>	Oligonucleotide primer		
<400>		0.0	
aagttt	aagtttgtgc agtattgtag 20		
<210>	39		
<211> <212>	20 DNA		
<213>			
<220>			
<223>	Oligonucleotide primer		
<400>	39 . attc tgcaaagcta	20	
20			
<210>	40		
<211>	20 DNA		

<213>	Artificial Sequence	ISPT1010.ST25.txt	
<220> <223>	Oligonucleotide primer		
<400> ttcaga	40 ttct ttacttcgcc		20
<210> <211> <212> <213>	20 DNA		
<220> <223>	Oligonucleotide primer		
<400> gataac	41 acgt tagggcttct		20
<210><211><211><212><213>	20		
<220> <223>	Oligonucleotide primer		
<400> tcaaag	42 cgac agataacacg		20
<210><211><211><212><213>	20 DNA		
<220> <223>	Oligonucleotide primer		
<400> caaagc	43 atga taatattcat		20
<210><211><211><212><213>	44 20 DNA Artificial Sequence		
<220> <223>	Oligonucleotide primer		
<400> ccatca	44 tctg tgagaaccat		20
<210> <211> <212> <213>			
<220> <223>	Oligonucleotide primer		
<400> atatgg	45 tgat gatgtggcac		20
<210>	46		

<211>	20	
<211>		
<213>		
<220>		
<223>	Oligonucleotide primer	
<400>	46	
ctcctca	aggt ggcttgtcag	20
<210×	47	
<210> <211>	20	
<211>		
<213>		
	initial polynomes	
<220>		
<223>	Oligonucleotide primer	
<400>	47	
tgagct	gtct gtgatccagc .	20
<210>	48	
<211>	20	
<212>		
<213>		
<220>		
<223>	Oligonucleotide primer	
<400>	48	
agataa	cacg ttagggcttc	20
<210>	49	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Oligonucleotide primer	
<400>	49	
catggt	gaat cggtccccgc	20
<210>	50	
<211>	20	
<212>	•	
<213>	Artificial Sequence	
<220>		
<223>	Oligonucleotide primer	
<400>	50	
tgttata	itat gacagttgct	20
/2105	51	
<210> <211>	51 20	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Oligonucleotide primer	
	•	
<400>	51	
ccttato	caag atgcgaactc	20

<210><211><211><212>	52 20 DNA	
<213> <220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400> ccaaat	52 cacc agcatccaga	
<210> <211>	53 20	
<212> <213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> aactga	53 igtta atcccatgta	
<b>2210</b> 5	54	
<210> <211> <212>	54 20	
<213>		
<220> <223>	Oligonucleotide primer	
<400> ttagtt	54 caaa ctgagttaat	
10101		·
<210> <211>		•
<212> <213>	DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	55 httc tgtgtgtaag	
3 3		
<210> <211>	56 20	•
<212> <213>	DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	56	
CLALCE	aaag gaatttcaat	
<210> <211>	57 20	
<212>	DNA	
<213> <220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400>	57	

cccatc	aatt cggtaattet	20
<210> <211> <212> <213>	DNA .	
<220> <223>	Oligonucleotide primer	
<400> tatcat	58 gatg agttttggtc	20
<210> <211> <212> <213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> aataat	59 acca ctcacaacgt	20
<210> <211> <212> <213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> caactt	60 tggt gaatagctga	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> agtgac	61 tctg gatttggttc	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> catctc	62 caag tctaaatctg	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	

<400> ctaatg	63 gtga caactgatcg	20
<210> <211> <212> <213>	64 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cactgt	64 tttt aattcatcag	20
<210> <211> <212> <213>	65 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ataatg	65 ttcc aattcctact	20
<210> <211> <212> <213>	66 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> agaaaaa	66 agct cagttaactt	20
<210> <211> <212> <213>	67 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> attgtag	67 gcca ggcttctaaa	20
<210> <211> <212> <213>	68 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> atcttct	68 ttaa aaataattcg	20
<210><211><211><212><212><213>	69 20 DNA Artificial Sequence .	

<220> <223>	Oligonucleotide primer	
<400> tgtgca	69 attg tggctaccac	20
<210> <211> <212> <213>	DNA	
<220> <223>	Oligonucleotide primer	
<400>	70	
aacaat	gtca tgttccaggt	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> gctggc	71 aaag tgactataga	20
<210> <211> <212> <213>	20	
<220> <223>	Oligonucleotide primer	
<400> ttccac	72 agaa gatgtttatt	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> tttttc	73 caca gaagatgttt	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> tagagc	74 taaa cgatctagaa	20
<210> <211> <212>	75 20 DNA	

<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> taactc	75 tttc tggccttgaa	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> attggc	76 ccta acagaaaatc	20
<210><211><211><212><213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> agaact	77 tatc ctacttaaca	20
<210><211><211><212><213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> gtttcc	78 ctcg tgttgctcag	20
<210> <211> <212> <213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> ttgtac	79 ttac tatcatgatg	20
<210><211><211><212><213>	80 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> acttac	80 ttac ctcacaacgt	20
<210>	81	

<211> <212> <213>	20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aatctg	81 tgtc ctttaaaaca	20
<210><211><211><212><213>		
<220> <223>	Oligonucleotide primer	
<400> tgtgca	82 ctga ggagctgagg	20
<210><211><211><212><213>	20	
<220> <223>	Oligonucleotide primer	
<400> acgttc	83 agaa cttatctttt	20
<210> <211> <212> <213>	20	
<220> <223>	Oligonucleotide primer	
<400> catgct	84 aaat aattootaot	20
<210> <211> <212> <213>	85 20 DNA Homo sapiens	
<400> tgcago	85 tact acatcacttt	20
<210><211><211><212><213>	20 DNA	
<400> acatto	86 acgt atatgatacc	20
<210><211><211><212><213>	20 · DNA	

<400> gcgcaa	gtcc tcaaagcaca	20
<210> <211> <212> <213>	88 20 DNA Homo sapiens	
<400> ggtgac	88 atga tttacatttc	20
<210> <211> <212> <213>	89 20 DNA Homo sapiens	
<400> gataca	89 agta gcctctttga	20
<210> <211> <212> <213>	90 20 DNA Homo sapiens	
<400> caatca	90 agaa gttgcattaa	20
<210> <211> <212> <213>	91 20 DNA Homo sapiens	
<400> gttaat	91 cata taataatgat	20
<210> <211> <212> <213>	92 20 DNA Homo sapiens	
<400> cacctc	92 tgga cttgcctttc	20
<210> <211> <212> <213>	93 20 DNA Homo sapiens	
<400> attttt	93 ggct agggagttta	20
<210><211><211><212><213>	20 DNA	
<400> acaaga	94 acct actgctaatg	20
<210> <211> <212>		

<213>	Homo sapiens	
<400> agtaac	95 ccttt catcatgatc	20
<210> <211> <212> <213>	96 20 DNA Homo sapiens	
<400> acagco	96 tgga tatgaaattt	20
<210> <211> <212> <213>	97 20 DNA Homo sapiens	
<400> gttacg	97 Ettcc ttcgatcagt	20
<210> <211> <212> <213>	98 20 DNA Homo sapiens	
<400> cagaat	98 gctc agagaaagcg	20
<210> <211> <212> <213>	99 20 DNA Homo sapiens	•
<400> ggacac	99 agtg tgtttgattt	20
<210> <211> <212> <213>	100 20 DNA Homo sapiens	
<400> atgata	100 tgtt tactaaagga	20
<210> <211> <212> <213>	101 20 DNA Homo sapiens	
<400> aacctg	101 atgc tttaactttg	20
<210> <211> <212> <213>	102 20 DNA Homo sapiens	
<400> gcttct	102 ctct agtctcacga	20
<210×	103	

<211> <212>	20 DNA		
<213>	Homo sapiens		
<400> agaagg	103 cagt aacctttcat		
<210> <211>	104 20		
<212>	DNA		
<213>	Homo sapiens		
<400>	104		
ggcgaa	gtaa agaatctgaa		
<210>	105		
<211>	20		
<212> <213>	DNA Home sarions		
	Homo sapiens		
<400>	105 ccta acgtgttatc		
J y -	. <b>.</b>		
<210>	106		
<211>	20 DNA		
<212> <213>	DNA Homo sapiens	•	
<400>	106		
	atct gtcgctttga		
<210>	107		
<211> <212>	20 DNA		
<213>	Homo sapiens		
<400>	107		
atgaat	atta tcatgctttg		
<b>-210</b> >	100		
<210> <211>	108 20		
<212>	DNA		
<213>	Homo sapiens		
<400>	108		
arygrt	ctca cagatgatgg		
<210>	109		
<211>	20		
<212> <213>	DNA Homo sapiens		
<400>	109	•	•
	catc atcaccatat		
<210>	110		
<211> <212>	20 DNA		
<212>	Homo sapiens		
<400>	110		
	tcac agacagetea		

<210> <211> <212> <213>	111 20 DNA Homo sapiens	
<400> gaagcc	111 ectaa cgtgttatct	
<210><211><211><212><213>		
<400>	112 raccg attcaccatg	
<210> <211> <212> <213>	113 20 DNA Homo sapiens	
<400> agcaac	113 tgtc atatataaca	
<210><211><211><212><213>	114 20 DNA Homo sapiens	
<400> gagttc	114 gcat cttgataagg	
<210><211><211><212><213>	115 20 DNA Homo sapiens	
<400> tacatg	115 ggat taactcagtt	
<210><211><211><212><212><213>	116 20 DNA Homo sapiens	
<400>	116 caca gaaatggcct	
<210><211><211><212><212><213>	117 20 DNA Homo sapiens	
<400> agaatt	117 accg aattgatggg	
<210><211><211><212><212><213>	118 20 DNA Homo sapiens	
<400>	118	

gaccaa	aact catcatgata	20
	•	
<210>	119	
<211>	20	
<212>	DNA	
<213>	Homo sapiens	
<400>	119	
	tgag tggtattatt	20
auguug	,	
<210>	120	
<211>	20	
<212>		
<213>	Homo sapiens	
<400>	120	
	attc accaaagttg	20
coagoc	acco accadagecy	20
<210>	121	
<211>	20 .	
<212>	DNA	
<213>	Homo sapiens	
44005	101	
<400>	121	20
gaacca	aatc cagagtcact	20
<210>	122	
<211>	20	
<212>	DNA	
<213>	Homo sapiens	
	100	
<400>	122	20
cgatca	gttg tcaccattag	20
<210>	123	
<211>	20	
<212>	DNA	
<213>	Homo sapiens	
	100	
<400>	123	20
cigalg	aatt aaaaacagtg	20
<210>	124	
<211>	20	
<212>	DNA	
<213>	Homo sapiens	
	104	
<400>	124	20
aaytta	actg agctttttct	20
<210>	125	
<211>	20	
<212>		
<213>	Homo sapiens	
	105	
	1.75	
<400>	125	20
	agcc tggctacaat	20
		20
tttaga		20
	agcc tggctacaat	20
tttaga <210>	agcc tggctacaat	20

<400> gtggtag	126 gcca caattgcaca	20
<210> <211> <212> <213>	127 20 DNA Homo sapiens	
<400> acctgga	127 aaca tgacattgtt	20
<210> <211> <212> <213>	128 20 DNA Homo sapiens	
<400> tctatag	128 gtca ctttgccagc	20
<210> <211> <212>	129 20 DNA	
<213> <400> ttctaga	Homo sapiens  129 atcg tttagctcta	20
<210><211><211><212><213>	130 20 DNA Homo sapiens	
<400>	130 gcca gaaagagtta	20
<210><211><211><212><213>	131 20 DNA Homo sapiens	
<400> ctgagca	131 aaca cgagggaaac	20
<210> <211> <212> <213>	132 20 DNA Homo sapiens	
<400> aaaagat	132 Laag ttctgaacgt	20
<210> <211> <212> <213>	133 3933 DNA Homo Sapiens	
<300> <301> <302>	Hogenesch, et al. Characterization Of A Subset Of The Basic-Helix-Loop-Helix-PAS Superfamily That Interacts With Components Of The Dioxin Signaling	
<b>&lt;3U3&gt;</b>	J. Biol. Chem.	

ISPT1010.ST25.txt	
<304> 272 <305> 13 <306> 8581-8593 <307> 1997 <308> U29165.1 <309> 1997-04-11 <313> (1)(3933)	
<220> <221> misc_feature <222> (265)(2745) <223> CDS	
<400> 133 cactototto gtogottogg coagtgtgto gggotgggoo otgacaagoo	60
acctgaggag aggeteggag eegggeeegg acceeggega ttgeegeeeg etteteteta	120
gtctcacgag gggtttcccg cctcgcaccc ccacctctgg acttgccttt ccttctctc	180
tccgcgtgtg gagggagcca gcgcttaggc cggagcgagc ctgggggccg cccgccgtga	240
agacatcgcg gggaccgatt caccatggag ggcgccggcg gcgcgaacga caagaaaaag	300
ataagttctg aacgtcgaaa agaaaagtct cgagatgcag ccagatctcg gcgaagtaaa	360
gaatctgaag ttttttatga gcttgctcat cagttgccac ttccacataa tgtgagttcg	420
catcttgata aggcctctgt gatgaggctt accatcagct atttgcgtgt gaggaaactt	480
ctggatgctg gtgatttgga tattgaagat gacatgaaag cacagatgaa ttgctttat	540
ttgaaagcct tggatggttt tgttatggtt ctcacagatg atggtgacat gatttacatt	600
tctgataatg tgaacaaata catgggatta actcagtttg aactaactgg acacagtgtg	660
tttgatttta ctcatccatg tgaccatgag gaaatgagag aaatgcttac acacagaaat	720
ggccttgtga aaaagggtaa agaacaaaac acacagcgaa gcttttttct cagaatgaag	780
tgtaccctaa ctagccgagg aagaactatg aacataaagt ctgcaacatg gaaggtattg	840
cactgcacag gccacattca cgtatatgat accaacagta accaacctca gtgtgggtat	900
aagaaaccac ctatgacctg cttggtgctg atttgtgaac ccattcctca cccatcaaat	960
attgaaattc ctttagatag caagactttc ctcagtcgac acagcctgga tatgaaattt	1020
tcttattgtg atgaaagaat taccgaattg atgggatatg agccagaaga acttttaggc	1080
cgctcaattt atgaatatta tcatgctttg gactctgatc atctgaccaa aactcatcat	1140
gatatgttta ctaaaggaca agtcaccaca ggacagtaca ggatgcttgc caaaagaggt	1200
ggatatgtct gggttgaaac tcaagcaact gtcatatata acaccaagaa ttctcaacca	1260
cagtgcattg tatgtgtgaa ttacgttgtg agtggtatta ttcagcacga cttgattttc	1320
tcccttcaac aaacagaatg tgtccttaaa ccggttgaat cttcagatat gaaaatgact	1380
cagctattca ccaaagttga atcagaagat acaagtagcc tctttgacaa acttaagaag	1440
gaacctgatg ctttaacttt gctggcccca gccgctggag acacaatcat atctttagat	1500
tttggcagca acgacacaga aactgatgac cagcaacttg aggaagtacc attatataat	1560
gatgtaatgc tcccctcacc caacgaaaaa ttacagaata taaatttggc aatgtctcca	1620
ttacccaccg ctgaaacgcc aaagccactt cgaagtagtg ctgaccctgc actcaatcaa	1680

gaagttgcat	taaaattaga	accaaatcca	gagtcactgg	aactttcttt	taccatgccc	1740
cagattcagg	atcagacacc	tagtccttcc	gatggaagca	ctagacaaag	ttcacctgag	1800
cctaatagtc	ccagtgaata	ttgtttttat	gtggatagtg	atatggtcaa	tgaattcaag	1860
ttggaattgg	tagaaaaact	ttttgctgaa	gacacagaag	caaagaaccc	attttctact	1920
caggacacag	atttagactt	ggagatgtta	gctccctata	tcccaatgga	tgatgacttc	1980
cagttacgtt	ccttcgatca	gttgtcacca	ttagaaagca	gttccgcaag	ccctgaaagc	2040
gcaagtcctc	aaagcacagt	tacagtattc	cagcagactc	aaatacaaga	acctactgct	2100
aatgccacca	ctaccactgc	caccactgat	gaattaaaaa	cagtgacaaa	agaccgtatg	2160
gaagacatta	aaatattgat	tgcatctcca	tctcctaccc	acatacataa	agaaactact	2220
agtgccacat	catcaccata	tagagatact	caaagtcgga	cagcctcacc	aaacagagca	2280
ggaaaaggag	tcatagaaca	gacagaaaaa	tctcatccaa	gaagccctaa	cgtgttatct	2340
gtcgctttga	gtcaaagaac	tacagttcct	gaggaagaac	taaatccaaa	gatactagct	2400
ttgcagaatg	ctcagagaaa	gcgaaaaatg	gaacatgatg	gttcactttt	tcaagcagta	2460
ggaattggaa	cattattaca	gcagccagac	gatcatgcag	ctactacatc	actttcttgg	2520
aaacgtgtaa	aaggatgcaa	atctagtgaa	cagaatggaa	tggagcaaaa	gacaattatt	2580
ttaataccct	ctgatttagc	atgtagactg	ctggggcaat	caatggatga	aagtggatta	2640
ccacagetga	ccagttatga	ttgtgaagtt	aatgctccta	tacaaggcag	cagaaaccta	2700
ctgcagggtg	aagaattact	cagagctttg	gatcaagtta	actgagcttt	ttcttaattt	2760
cattcctttt	tttggacact	ggtggctcac	tacctaaagc	agtctattta	tattttctac	2820
atctaatttt	agaagcctgg	ctacaatact	gcacaaactt	ggttagttca	atttttgatc	2880
ccctttctac	ttaatttaca	ttaatgctct	tttttagtat	gttctttaat	gctggatcac	2940
agacagctca	ttttctcagt	tttttggtat	ttaaaccatt	gcattgcagt	agcatcattt	3000
taaaaaatgc	acctttttat	ttatttattt	ttggctaggg	agtttatccc	tttttcgaat	3060
tatttttaag	aagatgccaa	tataatttt	gtaagaaggc	agtaaccttt	catcatgatc	3120
ataggcagtt	gaaaaatttt	tacacctttt	ttttcacatt	ttacataaat	aataatgctt	3180
tgccagcagt	acgtggtagc	cacaattgca	caatatattt	tcttaaaaaa	taccagcagt	3240
tactcatgga	atatattctg	cgtttataaa	actagttttt	aagaagaaat	tttttttggc	3300
ctatgaaatt	gttaaacctg	gaacatgaca	ttgttaatca	tataataatg	attcttaaat	3360
gctgtatggt	ttattattta	aatgggtaaa	gccatttaca	taatatagaa	agatatgcat	3420
atatctagaa	ggtatgtggc	atttatttgg	ataaaattct	caattcagag	aaatcatctg	3480
atgtttctat	agtcactttg	ccagctcaaa	agaaaacaat	accctatgta	gttgtggaag	3540
tttatgctaa	tattgtgtaa	ctgatattaa	acctaaatgt	tctgcctacc	ctgttggtat	3600
aaagatattt	tgagcagact	gtaaacaaga	aaaaaaaaat	catgcattct	tagcaaaatt	3660
gcctagtatg	ttaatttgct	caaaatacaa	tgtttgattt	tatgcacttt	gtcgctatta	3720
acatcctttt	tttcatgtag	atttcaataa	ttgagtaatt	ttagaagcat	tattttagga	3780

atatatagtt gtcacagtaa atatcttgtt ttttctatgt acattgtaca aatttttcat	3840
tccttttgct ctttgtggtt ggatctaaca ctaactgtat tgttttgtta catcaaataa	3900
acatcttctg tggaaaaaaa aaaaaaaaa aaa	3933
<210> 134 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Construct	
<400> 134 tgatgagcaa gctcataaaa	20
<210> 135 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Construct	
<400> 135 gcaactgatg agcaagctca	20
<210> 136 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Construct	
<400> 136 ggaagtggca actgatgagc	20
<210> 137 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Construct	
<400> 137 ccagttagtt caaactgagt	20
<210> 138 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Construct	
<400> 138 tgtgtccagt tagttcaaac	20
<210> 139 <211> 20	

<212> <213>			
<220> <223>	Synthetic Construct		
<400>	•		
cacact	gtgt ccagttagtt		20
<210> <211>	140 20		
<212> <213>	DNA		
<220> <223>			
<400>	140	<b>Y</b>	
cacatg	gatg agtaaaatca	Y	20
<210> <211>			
<212> <213>	DNA		
<220> <223>	Synthetic Construct		
<400>	141 tggt cacatggatg		20
tcctca	tyge cacatygaty		20
<210> <211>			
<212> <213>			
<220> <223>	Synthetic Construct		
<400>	142 attt cctcatggtc		20
			20
<210> <211>	143 20		
<212> <213>	DNA Artificial Sequence		
<220> <223>	Synthetic Construct		
<400> gcattt	143 ctct catttcctca		20
<210>	144		
<211> <212>	20		
<213>			
<220> <223>	Synthetic Construct		
<400> gtgtgt	144 aagc atttctctca		20

<210>	145	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
\2237	Synthetic Constitute	
<400>	145	
	ttct gtgtgtaagc	20
<210>	146	
<211>		
<212> <213>		
<b>\213</b> /	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
	•	
<400>	146	
tggtta	ctgt tggtatcata	20
4010	1.47	
<210>	147	
<211> <212>		
<213>		
\213/	Artificial bequence	
<220>		
<223>	Synthetic Construct	
	•	
<400>	147	
tcacaa	atca gcaccaagca	20
<010>	140	
<210> <211>	148 20	
<211>	DNA	
<213>		
<220>		
<223>	Synthetic Construct	
<400>	148	
tgggtt	caca aatcagcacc	20
<210>	149	
<211>	20	
<212>	DNA	
<213>	Artificial Sequence	
	•	
<220>		
<223>	Synthetic Construct	
	•	
<400>	149	
cgagga	atgg gttcacaaat	20
<210>	150	
<211>	20	
<212>	DNA	
<213>	Artificial Sequence	
	- -	
<220>		
<223>	Synthetic Construct	
44005	150	
<400>	150 ctat ctaaaggaat	20
	aaaauUddi	_ / I

<210> <211> <212> <213>	151 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tattca	151 taaa ttgagcggcc	20
<210> <211> <212> <213>	DNA	
<220> <223>	Synthetic Construct	
<400> tgataa	152 tatt cataaattga	20
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> tgagtt	153 ttgg tcagatgatc	20
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> acttgt	154 cctt tagtaaacat	20
<210><211><211><212><213>	155 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tggtga	155 cttg tcctttagta	20
<210> <211> <212> <213>	156 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	

<400> tcctgt	ggtg acttgtcctt	20
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> tactgt	157 cctg tggtgacttg	20
<210> <211> <212> <213>		
<220> <223>	Synthetic Construct	
<400> tcctgt	158 actg tcctgtggtg .	20
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> gcaago	159 vatcc tgtactgtcc	20
<210><211><211><212><213>		
<220> <223>	Synthetic Construct	
<400> cagaca	160 tatc cacctctttt	20
<210> <211> <212> <213>	DNA	
<220> <223>	Synthetic Construct	
<400> tcaacc	161 caga catatccacc	20
<210><211><211><212><213>	162 20 DNA Artificial Sequence	
<220>		

<223>	Synthetic Construct	
<400> tatgac	162 agtt gcttgagttt	20
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> ttatat	163 atga cagttgcttg	20
<210><211><211><212><213>	DNA	
<220> <223>	Synthetic Construct	
<400> gaaggg	164 agaa aatcaagtcg	20
<210><211><211><212><213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> attctg	165 tttg ttgaagggag	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> ttcata	166 tctg aagattcaac	20
<210> <211> <212> <213>	167 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tctgat	167 tcaa ctttggtgaa	20
<210><211><211><212><212><213>	168 20 DNA Artificial Sequence	

<220> <223>	Synthetic Construct	
<400>	168 ccat tatataatgg	20
<210> <211>		
<212> <213>	DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ctactte	169 cgaa gtggctttgg	20
<210>	170	
<211> <212>	20	
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> tcagca	170 ctac ttcgaagtgg	20
<210> <211>	171 20	
<212>		
<220> <223>	Synthetic Construct	
<400> ctttgt	171 ctag tgcttccatc	20
<210>	172	
<211> <211> <212>	20	
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>	172	20
accacc	catt gggatatagg	20
<210> <211>	173 20	
<212> <213>	DNA Artificial Sequence .	
<220> <223>	Synthetic Construct	
<400> tctaate	173 ggtg acaactgatc	20
<210> <211>	174 20	

<212> <213>		
<220>		
<223>	-	
<400> catcat	174 gttc catttttcgc	20
	175	
<210> <211>	20	
<212> <213>		
<220> <223>	Synthetic Construct	
<400> gtcagc	175 tgtg gtaatccact	20
39-	-9-9	
<210> <211>		
<212> <213>		
<220> <223>	Synthetic Construct	
<400>	176 gtca gctgtggtaa	20
caacty	geed geegeggedd	20
<210> <211>		
<212> <213>		
<220>		
<223>	Synthetic Construct	
<400> ggagca	177 ttaa cttcacaatc	20
<210>	178	
<211> <212>	20 DNA	
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>	178 ctgc tgccttgtat	20
<210> <211>		
<212> <213>		
<220>	Curababia Carabanat	
<223>	Synthetic Construct	
<400>	179 agta ggtttctgct	20

<210>	180	
<211> <212>	20 DNA	
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>	180	
	cctg cagtaggttt	20
<210>	181	
<211> <212>	20 DNA	
	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	181	
taattc	ttca ccctgcagta	20
<210> <211>	182 20	
<211>		
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	182	
ctgagta	aatt cttcaccctg	20
<210> <211>	183 20	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	183	00
aagete	tgag taattottoa	20
<21.0×	104	
<210> <211>	184 20	
<212>	DNA	
<213>	Artificial Sequence	
<220>	Sumbhatia Canahauat	
<223>	Synthetic Construct	
<400>	184	20
acccaa	agct ctgagtaatt	20
<210>	185	
<211>	20	
<212>		
<213>	Artificial Sequence	
<220>	Sunthatia Construct	
<223>	Synthetic Construct	
<400>	185 tcca aagctctgag	20
·		ge 65
	ra	ge 00

<210> <211> <212> <213>	186 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gctcag	186 ttaa cttgatccaa	20
<210> <211> <212> <213>	DNA	
<220> <223>	Synthetic Construct	
<400> tgagcc	187 acca gtgtccaaaa	20
<210><211><211><212><213>	188 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> ccaggc	188 ttct aaaattagat	20
<210> <211> <212> <213>	189 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> gtgcag	189 tatt gtagccaggc	20
<210><211><211><212><213>	190 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> agtttg	190 tgca gtattgtagc	20
<210> <211> <212> <213>	191 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	

<400> taaata	aaaa ggtgcatttt	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> actgcc	192 tatg atcatgatga	20
<210> <211> <212> <213>	DNA	
<220> <223>	Synthetic Construct	
<400> ttgtgc	193 aatt gtggctacca	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> atatat	194 tgtg caattgtggc	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> agaaaa	195 tata ttgtgcaatt	20
<210><211><211><212><213>	196 20 DNA Artificial Sequence	
<220> <223>	Synthetic Construct	
<400> cttaaa	196 aact agttttataa	20
<210> <211> <212> <213>	197 20 DNA Artificial Sequence	
<220>		

<223>	Synthetic Construct			
<400> atgtaa	197 atgg ctttacccat	2	20	
<210> <211>				
<212>				
<220> <223>	Synthetic Construct			
<400>	_			
ttttat	ccaa ataaatgcca	2	0	
<210> <211>				
<212> <213>	DNA Artificial Sequence			
<220> <223>	Synthetic Construct			
<400>	199			
tgagaa	tttt atccaaataa	2	0 :	
<210> <211>				
<212> <213>				
<220> <223>	Synthetic Construct	·		
<400> taatag	200 cgac aaagtgcata	2	0	
<210>	201			
<211>				
<212> <213>				
<220> <223>	Synthetic Construct			
<400>	201 aata gcgacaaagt	2	:0	
		_	•	
<210> <211>	202 20			
<212> <213>	DNA			
<220>	Synthotic Construct			
<223> <400>	Synthetic Construct 202			
	aaaaggatgt taatagcgac 20			
<210> <211>	203 20			
<212>	DNA			
<213>	Artificial Sequence			

<220> <223>	Synthetic Cons	truct				
<400>	203					
aatgcti	tcta aaattactca					20
<210> <211>	204 20					
<212>	DNA					
<213>	Artificial Seq	uence				
<220> <223>	Synthetic Cons	truct				
<400>	204					
tatatto	ccta aaataatgct					20
د010>	205					
<210> <211>	205 20					
<212>	DNA					
<213>	Artificial Seq	uence				
<220> <223>	Synthetic Cons	truct				
<400>	205					
acagaaq	gatg tttatttgat				•	20
د010>	206					
<210> <211>	206 3973					
<212>	DNA					
<213>	Mus muculus					
<300>	NM 010421 1					
<308> <309>	_					
<313>	(1)(3973)					
<220> <221>	miaa faatuus					
<221>	misc_feature (258)(2768)					
<223>	CDS					
<400>	206					
cgcgagg	gact gtcctcgccg	ccgtcgcggg	cagtgtctag	ccaggccttg	acaagctagc	60
cggagga	agcg cctaggaacc	cgagccggag	ctcagcgagc	gcagcctgca	cgcccgcctc	120
gcgtcc	ggg ggggtcccgc	ctcccacccc	gcctctggac	ttgtctcttt	ccccgcgcgc	180
gcggaca	agag ccggcgttta	ggcccgagcg	agcccggggg	ccgccggccg	ggaagacaac	240
gcgggca	accg attcgccatg	gagggcgccg	gcggcgagaa	cgagaagaaa	aagatgagtt	300
ctgaac	gtcg aaaagaaaag	tctagagatg	cagcaagatc	tcggcgaagc	aaagagtctg	360
aagtttt	tta tgagcttgct	catcagttgc	cacttcccca	caatgtgagc	tcacatcttg	420
ataaago	ttc tgttatgagg	ctcaccatca	gttatttacg	tgtgagaaaa	cttctggatg	480
ccggtgg	ytct agacagtgaa	gatgagatga	aggcacagat	ggactgtttt	tatctgaaag	540
ccctaga	tgg ctttgtgatg	gtgctaacag	atgacggcga	catggtttac	atttctgata	600
acgtgaa	acaa atacatgggg	ttaactcagt	ttgaactaac	tggacacagt	gtgtttgatt	660
			Pa	ge 69		

ttactcatcc	atgtgaccat	gaggaaatga	gagaaatgct	tacacacaga	aatggcccag	720
tgagaaaagg	gaaagaacta	aacacacagc	ggagcttttt	tctcagaatg	aagtgcaccc	780
taacaagccg	ggggaggacg	atgaacatca	agtcagcaac	gtggaaggtg	cttcactgca	840
cgggccatat	tcatgtctat	gataccaaca	gtaaccaacc	tcagtgtggg	tacaagaaac	900
cacccatgac	gtgcttggtg	ctgatttgtg	aacccattcc	tcatccgtca	aatattgaaa	960
ttcctttaga	tagcaagaca	tttctcagtc	gacacagcct	cgatatgaaa	ttttcttact	1020
gtgatgaaag	aattactgag	ttgatgggtt	atgagccgga	agaacttttg	ggccgctcaa	1080
tttatgaata	ttatcatgct	ttggattctg	atcatctgac	caaaactcac	catgatatgt	1140
ttactaaagg	acaagtcacc	acaggacagt	acaggatgct	tgccaaaaga	ggtggatatg	1200
tctgggttga	aactcaagca	actgtcatat	ataatacgaa	gaactcccag	ccacagtgca	1260
ttgtgtgtgt	gaattatgtt	gtaagtggta	ttattcagca	cgacttgatt	ttctcccttc	1320
aacaaacaga	atctgtgctc	aaaccagttg	aatcttcaga	tatgaagatg	actcagctgt	1380
tcaccaaagt	tgaatcagag	gatacaagct	gcctttttga	taagcttaag	aaggagcctg	1440
atgctctcac	tctgctggct	ccagctgccg	gcgacaccat	catctctctg	gattttggca	1500
gcgatgacac	agaaactgaa	gatcaacaac	ttgaagatgt	tccattatat	aatgatgtaa	1560
tgtttccctc	ttctaatgaa	aaattaaata	taaacctggc	aatgtctcct	ttaccttcat	1620
cggaaactcc	aaagccactt	cgaagtagtg	ctgatcctgc	actgaatcaa	gaggttgcat	1680
taaaattaga	atcaagtcca	gagtcactgg	gactttcttt	taccatgccc	cagattcaag	1740
atcagccagc	aagtccttct	gatggaagca	ctagacaaag	ttcacctgag	agacttcttc	1800
aggaaaacgt	aaacactcct	aacttttccc	agcctaacag	tcccagtgaa	tattgctttg	1860
atgtggatag	cgatatggtc	aatgtattca	agttggaact	ggtggaaaaa	ctgtttgctg	1920
aagacacaga	ggcaaagaat	ccattttcaa	ctcaggacac	tgatttagat	ttggagatgc	1980
tggctcccta	tatcccaatg	gatgatgatt	tccagttacg	ttcctttgat	cagttgtcac	2040
cattagagag	caattctcca	agccctccaa	gtatgagcac	agttactggg	ttccagcaga	2100
cccagttaca	gaaacctacc	atcactgcca	ctgccaccac	aactgccacc	actgatgaat	2160
caaaaacaga	gacgaaggac	aataaagaag	atattaaaat	actgattgca	tctccatctt	2220
ctacccaagt	acctcaagaa	acgaccactg	ctaaggcatc	agcatacagt	ggcactcaca	2280
gtcggacagc	ctcaccagac	agagcaggaa	agagagtcat	agaacagaca	gacaaagctc	2340
atccaaggag	ccttaagctg	tctgccactt	tgaatcaaag	aaatactgtt	cctgaggaag	2400
aattaaaccc	aaagacaata	gcttcgcaga	atgctcagag	gaagcgaaaa	atggaacatg	2460
atggctccct	ttttcaagca	gcaggaattg	gaacattatt	gcagcaacca	ggtgactgtg	2520
cacctactat	gtcactttcc	tggaaacgag	tgaaaggatt	catatctagt	gaacagaatg	2580
gaacggagca	aaagactatt	attttaatac	cctccgattt	agcatgcaga	ctgctggggc	2640
agtcaatgga	tgagagtgga	ttaccacagc	tgaccagtta	cgattgtgaa	gttaatgctc	2700
ccatacaagg	cagcagaaac	ctactgcagg	gtgaagaatt	actcagagct	ttggatcaag	2760

```
ttaactgagc gtttcctaat ctcattcctt ttgattgtta atgtttttgt tcagttgttg
                                                                     2820
ttgtttgttg ggtttttgtt tctgttggtt atttttggac actggtggct cagcagtcta
                                                                     2880
tttatatttt ctatatctaa ttttagaagc ctggctacaa tactgcacaa actcagatag
                                                                     2940
tttagttttc atcccctttc tacttaattt tcattaatgc tctttttaat atgttctttt
                                                                     3000
aatgccagat cacagcacat tcacagctcc tcagcatttc accattgcat tgctgtagtg
                                                                     3060
tcatttaaaa tgcacctttt tatttattta tttttggtga gggagtttgt cccttattga
                                                                     3120
attattttta atgaaatgcc aatataattt tttaagaaag cagtaaattc tcatcatgat
                                                                     3180
cataggcagt tgaaaacttt ttactcattt ttttcatgtt ttacatgaaa ataatgcttt
                                                                     3240
gtcagcagta catggtagcc acaattgcac aatatatttt ctttaaaaaa ccagcagtta
                                                                     3300
ctcatgcaat atattctgca tttataaaac tagtttttaa gaaatttttt ttggcctatg
                                                                     3360
gaattgttaa gcctggatca tgaagcgttg atcttataat gattcttaaa ctgtatggtt
                                                                     3420
tctttatatg ggtaaagcca tttacatgat ataaagaaat atgcttatat ctggaaggta
                                                                     3480
tgtggcattt atttggataa aattctcaat tcagagaagt tatctggtgt ttcttgactt
                                                                     3540
taccaactca aaacagtccc tctgtagttg tggaagctta tgctaatatt gtgtaattga
                                                                     3600
ttatgaaaca taaatgttct gcccaccctg ttggtataaa gacattttga gcatactgta
                                                                     3660
aacaaacaaa caaaaaatca tgctttgtta gtaaaattgc ctagtatgtt gatttgttga
                                                                     3720
aaatatgatg tttggtttta tgcactttgt cgctattaac atcctttttt catatagatt
                                                                     3780
tcaataagtg agtaatttta gaagcattat tttaggaata tagagttgtc atagtaaaca
                                                                     3840
tcttgttttt tctatgtaca ctgtataaat ttttcgttcc cttgctcttt gtggttgggt
                                                                     3900
ctaacactaa ctgtactgtt ttgttatatc aaataaacat cttctgtgga ccaggaaaaa
                                                                     3960
                                                                     3973
aaaaaaaaa aaa
<210> 207
<211>
      20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Construct
<400> 207
gatcatgatg agaatttact
                                                                       20
<210>
      208
<211>
      2818
<212>
      DNA
<213> Homo sapiens
<300>
<301>
      Sang et al.
<302> MAPK Signaling Up-Regulates The Activity Of Hypoxia-Inducible
      Factors By Its Effect on P300
<303>
      J. Biol. Chem.
<304>
      278
<305>
      16
<306> 14013-14019
<307> 2003
```

<308> NM\_001430.1

<309> 2003-10-06 <313> (1)(2818)	
<220> <221> misc_feature <222> (150)(2762) <223> CDS	
<400> 208 cctgactgcg cggggcgctc gggacctgcg cgcacctcgg accttcacca cccgcccggg	60
ccgcgggag cggacgaggg ccacagcccc ccacccgcca gggagcccag gtgctcggcg	120
tctgaacgtc tcaaagggcc acagcgacaa tgacagctga caaggagaag aaaaggagta	180
gctcggagag gaggaaggag aagtcccggg atgctgcgcg gtgccggcgg agcaaggaga	240
cggaggtgtt ctatgagctg gcccatgagc tgcctctgcc ccacagtgtg agctcccatc	300
tggacaaggc ctccatcatg cgactggaaa tcagcttcct gcgaacacac aagctcctct	360
cctcagtttg ctctgaaaac gagtccgaag ccgaagctga ccagcagatg gacaacttgt	420
acctgaaagc cttggagggt ttcattgccg tggtgaccca agatggcgac atgatctttc	480
tgtcagaaaa catcagcaag ttcatgggac ttacacaggt ggagctaaca ggacatagta	540
tetttgaett caeteatece tgegaceatg aggagatteg tgagaacetg agteteaaaa	600
atggctctgg ttttgggaaa aaaagcaaag acatgtccac agagcgggac ttcttcatga	660
ggatgaagtg cacggtcacc aacagaggcc gtactgtcaa cctcaagtca gccacctgga	720
aggtettgca etgeaeggge eaggtgaaag tetaeaacaa etgeeeteet eacaatagte	780
tgtgtggcta caaggageee etgetgteet geetcateat catgtgtgaa ecaateeage	840
acceatecea catggacate eccetggata geaagacett eetgageege cacageatgg	900
acatgaagtt cacctactgt gatgacagaa tcacagaact gattggttac caccctgagg	960
agctgcttgg ccgctcagcc tatgaattct accatgcgct agactccgag aacatgacca	1020
agagtcacca gaacttgtgc accaagggtc aggtagtaag tggccagtac cggatgctcg	1080
caaagcatgg gggctacgtg tggctggaga cccaggggac ggtcatctac aaccctcgca	1140
acctgcagcc ccagtgcatc atgtgtgtca actacgtcct gagtgagatt gagaagaatg	1200
acgtggtgtt ctccatggac cagactgaat ccctgttcaa gccccacctg atggccatga	1260
acagcatctt tgatagcagt ggcaaggggg ctgtgtctga gaagagtaac ttcctattca	1320
ccaagctaaa ggaggagccc gaggagctgg cccagctggc tcccacccca ggagacgcca	1380
tcatctctct ggatttcggg aatcagaact tcgaggagtc ctcagcctat ggcaaggcca	1440
tectgeecce gagecageca tgggecaegg agttgaggag ceaeageaec cagagegagg	1500
ctgggagcct gcctgccttc accgtgcccc aggcagctgc cccgggcagc accacccca	1560
gtgccaccag cagcagcagc agctgctcca cgcccaatag ccctgaagac tattacacat	1620
ctttggataa cgacctgaag attgaagtga ttgagaagct cttcgccatg gacacagagg	1680
ccaaggacca atgcagtacc cagacggatt tcaatgagct ggacttggag acactggcac	1740
cctatatccc catggacggg gaagacttcc agctaagccc catctgcccc gaggagcggc	1800
Page 72	

tcttggcgga gaacccacag tccaccccc agcactgctt cagtgccatg acaaacatct	1860
tccagccact ggcccctgta gccccgcaca gtcccttcct cctggacaag tttcagcagc	1920
agctggagag caagaagaca gagcccgagc accggcccat gtcctccatc ttctttgatg	1980
ccggaagcaa agcatccctg ccaccgtgct gtggccaggc cagcacccct ctctctcca	2040
tggggggcag atccaatacc cagtggcccc cagatccacc attacatttt gggcccacaa	2100
agtgggccgt cggggatcag cgcacagagt tcttgggagc agcgccgttg gggccccctg	2160
tetetecace ecatgtetee acetteaaga caaggtetge aaagggtttt ggggetegag	2220
gcccagacgt gctgagtccg gccatggtag ccctctccaa caagctgaag ctgaagcgac	2280
agctggagta tgaagagcaa gccttccagg acctgagcgg gggggaccca cctggtggca	2340
gcacctcaca tttgatgtgg aaacggatga agaacctcag gggtgggagc tgccctttga	2400
tgccggacaa gccactgagc gcaaatgtac ccaatgataa gttcacccaa aaccccatga	2460
ggggcctggg ccatcccctg agacatctgc cgctgccaca gcctccatct gccatcagtc	2520
ccggggagaa cagcaagagc aggttccccc cacagtgcta cgccacccag taccaggact	2580
acagcctgtc gtcagcccac aaggtgtcag gcatggcaag ccggctgctc gggccctcat	2640
ttgagtccta cctgctgccc gaactgacca gatatgactg tgaggtgaac gtgcccgtgc	2700
tgggaagete caegeteetg caaggagggg aceteeteag ageeetggae caggecaeet	2760
gagccaggcc ttctacctgg gcagcacctc tgccgacgcc gtcccaccag cttcaccc	2818
<210> 209 <211> 21 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 209	
aagcettgga gggttteatt g	21
<210> 210 <211> 25 <212> DNA <213> Artificial Sequence	
<223> Oligonucleotide primer	
<400> 210 tgctgatgtt ttctgacaga aagat	25
<210> 211 <211> 23 <212> DNA <213> Artificial Sequence	
<223> Oligonucleotide primer	
<400> 211 cgtggtgacc caagatggcg aca	23

```
<210>
       212
<211>
       3415
<212> DNA
<213> Mus musculus
<300>
<301>
       Compernolle et al.
<302> Loss of HIF-2 Alpha And Inhibition of VEGF Impair Fetal Lung
       Maturation, Whereas Treatment With VEGF Prevents Fatal
       Respiratory Distress In Premature Mice
<303> Nat. Med.
<304>
<305>
<306>
       702-710
<307> 2002
<308> NM_010137.1
<309>
       2003-04-07
<313> (1)..(3415)
<220>
<221> misc feature
<222>
      (184)...(2808)
<223> CDS
<220>
<221> misc_feature
<222> (2965)..(2965)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222> (296\overline{9})..(2969) <223> n is a, c, g, or t
<220>
<221> misc_feature
<222> (302<del>2</del>)..(3022)
<223> n is a, c, g, or t
<220>
<221> misc feature
<222> (307<del>5</del>)..(3075)
<223> n is a, c, g, or t
<400> 212
ctagccagcc ctctgcaaac ttccacctga ttgagcggga ctctcggacc tgcgagcact
                                                                        60
aaagaccttt cacacctgcc cgggcgacag agagctgcgg agggccacag caaagagagc
                                                                       120
ggctgcagcc cctacggggt taaggaaccc aggtgctccg ggtctcggag ggccacggcg
                                                                       180
acaatgacag ctgacaagga gaaaaaaagg agcagctcag agctgaggaa ggagaaatcc
                                                                       240
cgtgatgccg cgaggtgccg gcgcagcaag gagacggagg tcttctatga gttggctcat
                                                                       300
gagttgcccc tgcctcacag tqtqagctcc cacctgqaca aaqcctccat catqcqcctg
                                                                       360
gccatcagct tccttcggac acataagctc ctgtcctcag tctgctctga aaatgaatct
                                                                       420
gaagctgagg ccgaccagca aatggataac ttgtacctga aagccttgga gggtttcatt
                                                                       480
gctgtggtga cccaagacgg tgacatgatc tttctgtcgg aaaacatcag caagttcatg
                                                                       540
ggacttaccc aggtagaact aacaggacac agcatctttg acttcactca teettgegac
                                                                       600
catgaggaga tccgtgagaa cctgactctc aaaaacggct ctggttttgg gaagaagagc
                                                                       660
```

		T C D T 1 O 1	0.ST25.txt		
aaagacgtgt ccaccgagcg	tgacttcttc			caccaacaga	720
ggccggactg tcaacctcaa	gtcggccacc	tggaaggtcc	tgcactgcac	cgggcaagtg	780
agagtctaca acaactgccc	ccctcacagt	agtctctgtg	gctccaagga	gcccctgctg	840
tcctgcctta tcatcatgtg	tgagccaatc	cagcacccat	cccacatgga	catccccctg	900
gacagcaaga ctttcctgag	ccgccacagc	atggacatga	agttcaccta	ctgtgacgac	960
agaatcttgg aactgattgg	ttaccacccc	gaggagctac	ttggacgctc	tgcctatgag	1020
ttctaccatg ccctggattc	ggagaacatg	accaaaagtc	accagaactt	gtgcaccaag	1080
gggcaggtgg tatctggcca	gtaccggatg	ctagccaaac	acggaggata	tgtgtggctg	1140
gagacccagg ggacggtcat	ctacaacccc	cgcaacctgc	agcctcagtg	tatcatgtgt	1200
gtcaactatg tgctgagtga	gatcgagaag	aacgacgtgg	tgttctccat	ggaccagacc	1260
gaatccctgt tcaagccaca	cctgatggcc	atgaacagca	tctttgacag	cagtgacgat	1320
gtggctgtaa ctgagaagag	caactacctg	ttcaccaaac	tgaaggagga	gcccgaggag	1380
ctggcccagt tggcccccac	cccaggagat	gccattattt	ctctcgattt	cggaagccag	1440
aacttcgatg aaccctcagc	ctatggcaag	gccatccttc	ccccgggcca	gccatgggcc	1500
gcggggctga ggagccacag	tgcccagagc	gagtccggga	gcctgccagc	cttcactgtg	1560
ccccaggcag gcaccccagg	gaacactaca	cccagtgctt	caagcagcag	tagctgctcc	1620
acgcccagca gccctgagga	ctactattca	tccttggaga	atcccttgaa	gatcgaagtg	1680
attgagaagc ttttcgccat	ggacacggag	ccgagggacc	cgggcagtac	ccagacggac	1740
ttcagtgaac tggatttgga	gaccttggca	ccctacatcc	ctatggacgg	cgaggacttc	1800
cagetgagee ceatetgeee	agaggagccg	ctcatgccag	agagccccca	gcccaccccc	1860
cagcactgct tcagtaccat	gaccagcatc	ttccagccgc	tcaccccggg	ggccacccac	1920
ggccccttct tcctcgataa	gtacccgcag	cagttggaaa	gcaggaagac	agagtctgag	1980
cactggccca tgtcttccat	cttctttgat	gctgggagca	aagggtccct	gtctccatgc	2040
tgtggccagg ccagcacccc	tctctcttct	atggggggca	gatccaacac	gcagtggccc	2100
ccggatccac cattacattt	cggccctact	aagtggcctg	tgggtgatca	gagtgctgaa	2160
tccctgggag ccctgccggt	ggggtcatcg	cagttggaac	ctccgagcgc	cccgcctcat	2220
gtctccatgt tcaagatgag	gtctgcaaag	gacttcgggg	cccgaggtcc	atacatgatg	2280
agcccagcca tgatcgccct	gtccaacaag	ctgaagctaa	agcggcagct	ggagtatgag	2340
gagcaagctt tccaagaaac	aagcgggggg	gaccttccag	gcaccagcag	ttcacacttg	2400
atgtggaaac gtatgaagag	cctcatgggc	gggacctgtc	ctttgatgcc	tgacaagacc	2460
atcagtggga acatggcccc	ggatgaattc	acccaaaaat	ctatgagagg	cttgggccag	2520
ccattgagac acttgccact	tccccagcca	ccatttacca	ggaactcagg	ggagaacgcc	2580
aagactgggt tcccgccaca	gtgctatgcc	tcccagttcc	aggactacgg	tcctccagga	2640
gctcaaaagg tgtcaggcgt	ggccagtcga	ctgctggggc	catcgttcga	gccttacctg	2700
ttgccggaac tgaccagata	tgactgtgag	gtgaacgtgc	ccgtgcctgg	aagctccaca	2760

#### ISPT1010.ST25.txt ctcctgcagg ggagagacct tctcagagct ctggaccagg ccacctgagc cagggcctct 2820 qgccqqqcat gccctgcct gcccgccgt cttgacctgc cagcttcact tccatctgtq 2880 ttgctattag gtatctctaa caccagcaca cttcttacga gatgtactca acctggccta 2940 ctggccaggt caccaagcag tggcntttnt ctgacatgct cactttatta tccatgtttt 3000 aaaaatacat agttgttgta cntgctatgt tttaccgttg atgaaagtgt tctgaaattt 3060 tataagattt ccccntcctt ccttcccttg aattacttct aatttatatt ccccaaaggt 3120 ttttctctct ctcattcata tccatactaa caagcatggt ggctggtgcc tctccctagg 3180 aaagctttgg cgtcattcaa ctcaagtgtt cttgttcttg ttgccaaaga gaaaaggatt 3240 3300 acacccctac acacatatac acacatgcac gtatgcgtgc acacacacac acacacatat 3360 acacacaca acacacaca acacacacc ctacacacat atacacacat gcacc 3415 <210> 213 <211> 19 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 213 ggccatcgtt cgagcctta 19 <210> 214 <211> 16 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 214 16 ggcacgggca cgttca <210> 215 <211> 29 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 215 29 ctgttgccgg aactgaccag atatgactg <210> 216 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer

20

<400> 216

ggcaaattca acggcacagt

<210> <211> <212> <213>	217 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gggtct	217 cgct cctggaagat	20
<210><211><211><212><213>	218 27 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aaggcc	218 gaga atgggaagct tgtcatc	27
<210><211><211><212><213>	219 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gtcagc	219 tgtc attgtcgctg	20
<210><211><211><212><213>	220 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ggcctg	220 gete aggtggeetg	20
<210><211><211><212><213>	221 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ggtcat	221 gttc tcggagtcta	20
<210> <211> <212> <213>	222 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	222	

gtggag	gcage tgetgetget	20
<210> <211> <212>	20 DNA	
<213> <220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400> ggtaca	223 atttg cgctcagtgg	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400>	224 stcga gccccaaaac	20
rgggcc	stega geeccaaaac	20
<210> <211>		
<212> <213>		
<220> <223>	Oligonucleotide primer	
<400> gaatag	225 ggaag ttactcttct	20
<210>		
<211> <212> <213>	DNA	
<220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400> tggaag	226 gtott coccgtocat	20
<210>		
<211> <212>	DNA	
<213> <220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400> gcagct	227 cctc agggtggtaa	20
<210>		
<211> <212>	DNA .	
<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	

<400> catggt	228 agaa ttcataggct	20
<210> <211> <212> <213>	229 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tcactt	229 caat cttcaggtcg	20
<210><211><211><212><213>		
<220> <223>	Oligonucleotide primer	
<400> gagctt	230 ccca gcacgggcac	20
<210><211><211><212><213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> tgaagg	231 cagg caggctccca	20
<210><211><211><212><213>	232 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ggtgct	232 ggcc tggccacagc	20
<210><211><211><212><213>		
<220> <223>	Oligonucleotide primer	
<400> cgaatc	233 tcct catggtcgca	20
<210> <211> <212>	20	

<220> <223>	Oligonucleotide primer	
<400>	234 tcat ggccatcagg	20
egeege	5525 9955455499	
<210> <211>	235 20	
<212>	DNA	
<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	235	20
tactyc	attg gtccttggcc	20
<210>	236	
<211> <212>	DNA	
<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	236	
ctccca	gcct cgctctgggt	20
<210>	237	
<211> <212>	20 DNA	
<213>		
<220> <223>	Oligonucleotide primer	
<400>	237	20
aggage	gtgg agcttcccag	20
<210>	238	
<211> <212>	20 DNA	
<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>	238 acat gtotttgott	20
ctgtgg	acac geologica	20
<210>	239	
<211> <212>	20 DNA	
<213>		
<220> <223>	Oliganuslaatida primar	
	•	
<400> agtgtc	239 toca agtocagoto	20
<210>	240	
<211> <212>	20 DNA	

<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ctattg	240 tgag gagggcagtt	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> tcatag	241 aaca cctccgtctc	20
<210><211><211><212><213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> aaatgt	242 gagg tgctgccacc	20
<210><211><211><212><213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> ttgggc	243 gtgg agcagctgct	20
<210> <211> <212> <213>	244 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gcgctg	244 ctcc caagaactct	20
<210> <211> <212> <213>	245 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gcagca	: 245 ggta ggactcaaat	20
<210>	246	

	<211>	20	15111010.5125.686	
	<212>			
	<213>	Artificial Sequence		
	<220>			
	<223>	Oligonucleotide primer		
	<400>	246		
	gtgctg	ccac caggtgggtc	:	20
	<210>			
	<211>	20		
	<212>	DNA		
	<213>	Artificial Sequence		
	<220>			
	<223>	Oligonucleotide primer		
	<400>			
	tggtca	gtt ctcggagtct		20
	2010-	240		
	<210>	248		
	<211>	20 .		
	<212>			
	<213>	Artificial Sequence		
	-000>			
	<220>	011		
	<223>	Oligonucleotide primer		
	<400>	248		
			,	20
	ccagcc	eggt ccatggagaa	•	20
	<210>	249		
	<211>			
	<212>			
		Artificial Sequence		
	\213/	Altilicial Sequence		
	<220>			
	<223>	Oligonucleotide primer		
	12277	origonacieotiae primer		
	<400>	249		
		gaat ctcctcatgg		20
		,	•	
	<210>	250		
	<211>	20		
	<212>	DNA		
	<213>	Artificial Sequence		
		-		
	<220>	•		
	<223>	Oligonucleotide primer		
		-		
	<400>	250		
٠	tcttca	ggtc gttatccaaa	2	20
	<210>	251		
	<211>	20		
	<212>	DNA		
	<213>	Artificial Sequence		
	<220>			
	<223>	Oligonucleotide primer		
		0.54		
	<400>	251		
	aggtcc	ctc cttqcaqqaq		20

<210> <211> <212> <213>	252 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgggcca	252 agct catagaacac	20
<210> <211> <212> <213>	253 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tcaaatq	253 gtga ggtgctgcca	20
<210> <211> <212> <213>	254 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> catctgo	254 ctgg tcagcttcgg	20
<210> <211> <212> <213>	255 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> acaggga	255 attc agtctggtcc	20
<210> <211> <212> <213>	256 0 DNA	
<400> 000	256	
<210> <211> <212> <213>	257 78695 DNA Mus musculus	
<400> aacaagt	257 togo agttotgogg aaggaggagg aagggcaggo gggogocoga ggagogoago	60
tccagaç	gaaa ggggagggac ggggtcaggg cagaggctgt ggccgcgcct ccctattggc	120
cgggaca	acgg tgggaagtcg gggcaggcag ccagcgtgcg gggcggggct tctctggagc	180
cccacco	procedence agreement construct agreement acceptage	240

gggcgggccg	tccgagtttt	taaagtgggc	tgacagccga	ggaggccgga	cattcgagag	300
cggccggtgt	acagctccgg	agtccgcagc	gctccgctcc	agctctcctg	aggcggccgt	360
acaatcctcg	gcagtgtcct	gagactgtat	ggtcatctca	gcggccgcac	tcgcttgccc	420
ccggatttt	ttccaacttg	ctctcttcga	gccattttt	tttcttttt	tcttttctt	480
tttttctttt	tctttttgg	ttggttggtt	ttgatttgtc	agatcccaga	aaagtgactc	540
ctgttcgggg	ctaaacggaa	ctccaggtcc	cttgtcgctg	ctctctct	cttttggcgt	600
cttacaacct	cctcccactc	ctttccccgg	cccgcctcc	tcctgcaggt	tcctccccgt	660
caccccctc	ctccctcctc	ctcctccgca	cctagccagc	cctctgcaaa	cttccacctg	720
attgagcggg	actctcggac	ctgcgagcac	taaagacctt	tcacacctgc	ccgggcgaca	780
gagagctgcg	gagggccaca	gcaaagagag	cggctgcagc	ccctacgggg	ttaaggaacc	840
caggtgctcc	gggtctcgga	gggccacggc	gacaatgaca	gctgacaagg	agaaaaaaag	900
gtaagcggga	gtcaaagctg	gcgaccgact	tggtcccagg	cattggcgga	actgcgcgtg	960
gcgggcgcga	cccggggcag	tcgggagagg	ggtgcgagag	ttctcggagg	ctggaggacc	1020
gctgttgagg	ggctttgagt	aagcgagtcg	gtgatgcctt	tagggacaag	gagctgcggt	1080
gtcgcagtag	agttgcaaag	cggatagttc	cgagaccttg	agacacggag	agatggccct	1140
ggaggtcagg	ggtgcttccg	cggcgccttc	caaagtctgt	cgtccctgga	gcaccaagct	1200
tccctagcga	gtgttttgaa	atgtttctgg	gctgatgccc	tcgactctta	gggtttccat	1260
gctggagcag	tagacacgcc	tttcttttcc	taagaccctc	taggtctttc	cgagagcgtt	1320
cctatgcggg	ctttgcgccc	caaactagca	tggaacagag	ggcaaagcgc	aactctgggg	1380
tgcgccctga	ccgagaagcc	ggaacactgt	caagggtcct	gctccagacg	gcacccaagt	1440
ttgttcaacc	cccttaacct	taccctacac	ctagactccg	gcagagagtg	gggagtgagt	1500
gacctggatt	gccctgcggg	ggcaggtgct	ctagtgtgca	gagagaagac	cgtgacaccc	1560
ggcggctccg	agtgtctgat	tcttaagacg	aagggcagcc	acgaaggttt	gtcctcgcga	1620
acctttcggc	actgggtgag	aggcaactcg	gggcaactcg	cgctgccctc	gagcctcctt	1680
caatccgccc	cgcatctggt	gacttgacac	ccagctctag	gagctgaggt	gggaacacac	1740
tgtgaccccg	ccgcagacct	gggtacattc	tcgtcgcctg	caaaagttta	tagctggccg	1800
cctggcactt	tgctcctgtt	tcgatcggtg	cgtgccgtgg	gttagagctt	ccagcactgc	1860
gctccgtggc	gacttagctg	gggtgtccgg	aatggtacgc	gtgaccgcag	aatggcgcga	1920
gctgccagag	atccgtggcc	agactggaaa	agactggcgg	tgaggaccca	gccccgagca	1980
aacgggcttt	ttgtttgggc	ttccacttag	ggacatgagc	caggaactgt	gtatcctctg	2040
gtcgaaagct	gcagctccca	cctcagggca	ccgataagga	gttgataaac	tccagcgaat	2100
cgcacccgtc	ctggcccggc	gcccgcgccc	tgcgctggcg	gatctctaga	gggggaaggt	2160
attgagtccg	gttctagatt	ccccattatc	gcccaccaaa	caactctgag	gttctgtgta	2220
ctttgagggt	agagaaggag	aagcaagaga	gagagagaga	aaaaaaaga	ctaagattct	2280
agctcaaact	gtaaaaccag	ccagagggta	atcacaaacc	atcaaaaccg	cgaagttgga	2340

cagcagagta	gccaggagca	cttattgaac	actttattac	tgccttgtct	atgggtgact	2400
gtcgcgtttg	tccgagatga	gacctgacag	taatcagtgt	caagtgtcat	cttgctctta	2460
ggtctatcaa	tccttgggag	agtcagggat	cagtggggaa	agctatttcc	atacccagct	2520
tgcagagact	ctttgccgag	ggctggcagg	gagtatagtc	agagcctaga	agaacgttgc	2580
ataatgacac	tacaaattat	ccacaacagc	ggccacttta	agaaccagtg	tgacacagac	2640
tgtgaacctc	ctaggaatct	tcggcctgta	gtgcagtgcc	ccagtggtag	ccaggcccgc	2700
agggtgtgtg	tgtgtgtgtg	tgtccaaaaa	acagggcaag	cagtgtaggt	tcagtgtagg	2760
ttcagacttc	caaagcctgt	taggatagtg	gttttgagat	tctggttaaa	ttgactgact	2820
tcttgggggc	atcaatatgt	agttgaaaat	tgtgaagcag	ggcatcaaaa	gttaatgtcc	2880
cttaaatggc	tgcccagagc	tttccagagc	gcttcaggaa	atcaatgtga	gcagcaaggg	2940
ttcccggatt	ggtgatacca	cccactagtg	gttcaagggc	cggttcttct	ccagggcata	3000
actgagcatt	tgtatggttc	cttctggaaa	cagcccttcc	agaggccaga	aggcttgttt	3060
tagtcccaaa	catccttgtg	tgggtggata	tattccttca	tgatagtcag	gagccagtct	3120
tttatttgtt	ggctggttag	cagactgggg	gagccacagc	aagctctctt	ggagttctca	3180
tcaacccagc	aggattcctg	attctaggaa	gagccaagtg	tggatgctct	caagtgggga	3240
tttgtagaac	aattaagata	aatggaagtg	aggtctttgg	gtggccagga	atccaagtcc	3300
aggcacaaag	ctagactctg	ggtccaagta	cctttcagga	gtgcttctgg	tatttggtgc	3360
cagggcaaag	atgggcaagg	aattggagat	agctggacct	tcaagttttc	taactgtggc	3420
tggcttctga	tggcagcaga	tttaattgtt	cctctgttaa	aataaaccca	aggtccatca	3480
gttttcccag	ccgaggagac	aatgctggct	gggcttcttg	agtgaagctt	atctcctaac	3540
tagtgttcct	tcaacatttg	acaacagtct	aacctggtag	agcagtgctg	tacgacacta	3600
tcagcctggc	atttaaactg	tactaaagat	gactttctta	gagttttggt	ttttttgttt	3660
tgttttgttt	tttgggtttt	tttttttt	tttggttttt	tgttgttgtt	ttggtttttt	3720
gttgttgttg	ttttttcag	ttttattgtg	aggcttgaag	attattttat	aagcaagtat	3780
gaaagccata	aacatatttt	ctctttctgg	ataaggctca	aggaaggtaa	aataatccct	3840
ctcggtacaa	ggaaaattag	tgctgataag	aatcagaaag	ttggttcatt	acaatcagtt	3900
agcatgtgaa	cagcagagcc	tcccacccca	tccccccac	cccccaccc	ccccacccc	3960
cgccatggca	tgcctcttgc	cactgaggat	ttccaaagga	ttagtgcagc	tcaccatcac	4020
catacctcca	ccaccaccac	caccagaccc	ctgaaccttc	aagacagagg	tttactttcc	4080
tagataattg	caagagcctt	gttctgagct	gaggcaggag	agatgtcaac	cagtcagtgg	4140
cgctgctctt	ggtagttaaa	aactttgggg	aatcggaatc	cattggttga	gtacctttcc	4200
tttatttcag	ttaggggaaa	acaaaaaaca	aaaaccaaac	aaacaacaac	aacaacaaaa	4260
gaccccaaca	aaccctacta	ctcgaggtat	aaaataaaac	caatgcaagc	accctcctgg	4320
ttcctggatg	tagcaagttg	ctttgtgaag	tagaggacat	tccacagcta	ctagattgtt	4380
gcctggtgtg	attaggcaat	tttgcaggga	tgaaagcctg	aactgaaaac	aggctacttt	4440

gtttacgttg	tcaacaaagc	ctctctgctg	ctgtttctct	gcctctgtgc	atgtgtgtgt	4500
ttacatggcc	ctgcccaggg	ttctaggaat	ctatgttgtt	tagagagaga	aggaaccaag	4560
tagttaattc	ctagtgctgt	agggcttcag	cccctgggt	ttgaaagtgc	ctccttcaag	4620
gctgagcctt	ttccatcttt	gaggaaatct	tttctgtgca	gcatttactt	gctttaaaaa	4680
ctgcaacaac	aaagcaaaaa	cggtcctgtc	ctatctcaag	ataatagggt	cctccttcgt	4740
tttatcttga	tgaatctttc	cttagtccta	aggaaagttt	tgtggtacac	aaactaccga	4800
gctttttacc	aagttactga	gtaagttctg	ttttctccca	gggccttatt	attcagcttt	4860
gcacactcca	gaaacatgct	ggtgagtctc	acaatgacat	ctataccaag	atactaacca	4920
gtgggtctgg	aaaaacagtg	ctgaaaacta	agaaatgggg	catctgttca	ttactcccaa	4980
ttgcttggtc	tgatgggggt	cagggtgggg	ggacaggacc	acccaagaaa	ccgttggggt	5040
atcagccact	catgggtgtt	ttctttggta	gggttcaaat	atttgaagct	aaagaaaaga	5100
aattctgaat	ggtatttcag	ttggtaaccg	tacaccatta	ttgaaatgca	ttcgtcattg	5160
aggaagctgg	ctctgtgtcc	ctgagataat	aaacggtaga	tgctggacac	cagcataaac	5220
tggatctcag	agagagtgtg	gtggtagacg	ttagaacttg	gagatgatga	acataaaaat	5280
acggatgctc	cacaggcgtt	ctgcaccatg	aactttgaca	catggacaaa	atgactacca	5340
gttggttggt	tttttttt	ttttaaagat	ttatttatta	ttatacctaa	gttcactgta	5400
gctgacttca	gacacaccag	aagagggtgt	cagatctcat	tatgggtggt	tgtgagccac	5460
catgtggttg	ctgggatttg	aactcaggac	cttcggaaga	gcagtcagtg	ccctttacct	5520
gcccagccat	ctcaccagcc	cggctaccga	gtttaactgc	ttgatgtaca	cacttgtttt	5580
gggtggagaa	tttgcaggga	ggacacttac	tggcctccac	agtgacaacc	aaaggtttct	5640
gtttccactg	aggacaacgg	tggccttgac	tgactccgtg	aaggccgaga	agggaggga	5700
gtacttttcc	gggagccttg	taaatgagct	tccggggtag	taatagatct	ctaaaattct	5760
atagagtgta	tgttttgttc	tctgggtttt	tttttttta	atgttaatct	caatctcccc	5820
tcttcatgaa	gagtgaaccc	agagctttgc	acgggctggg	atagcattct	ctaccactga	5880
gctggatcgc	caccctttgt	tcagctccta	gtcgcctttc	aaaggtggtg	tgaagagaaa	5940
ataccttctt	cctgcttgtc	tgtctagcac	ccaagagctc	ccctccctga	gttctaggct	6000
acaggctgcc	tgttcctaca	tttcaatgcc	agcgtcttgt	cttgtcctag	ggagtgtcta	6060
taagacatgt	tttccactat	cccctgctat	ctggagattc	ttttgaacct	tagaaatgga	6120
tgtgctcttg	ggagaaatga	gctacatagg	cagaaggaca	agatggaaag	ctgagcgctc	6180
aatcttcccg	tgccagcgct	gtcctcagaa	ctttccggat	taactttgtt	aatccttgta	6240
acaaccctgt	gagataagcc	ctgttattat	ctccagttca	ctgatgggaa	ctcaggtgca	6300
gcaaggttgc	tgcccgttgt	cacaggcagt	atatcttgga	gctgagactc	tccagagtcc	6360
acactctcac	ccaccgttcc	ttgcctcctg	gccttaccta	aaaggcctat	aaagcattta	6420
ataccatgtc	tgaatgtggt	aagcactcta	taaatgataa	cttcttttgt	tgctgtgttt	6480
ataattatta	taatgacttt	tctcgtgact	catcccttgt	atcaaacctc	acacacacag	6540

gcaggaactg	aagacccaaa	ggctattcct	gaattcctgg	aattacttat	tttttttaat	6600
atatatatag	atatttcctc	agctaaagca	ggggacagtt	ctccactgcc	cctggaagtt	6660
caaagctttc	ttcccaccct	ttgctggtgg	caagacttca	agaaccgttc	agtcttcaga	6720
ctccattgtg	cggagggacc	tgttaggagc	tcttcctctg	tggctccttt	gatcttttga	6780
aattgcaagc	ataggaagga	aaagatggat	ggggggaggg	gataaatagt	agtttatgat	6840
tgtcgtgatc	atattttat	agagtccttt	ctctggtgag	caccccaggc	catataccaa	6900
gagccttgag	atcttcttga	gtttcctcgc	ctcaaaccat	gattgctttg	gaacagttgt	6960
gggttgtggt	atgggtttgg	ggtggggcgg	ggtgggatgg	ggtggggtag	ggtggggtgg	7020
ggtggggtgg	ggtggggcat	gtatgaatat	atgcagctag	caacacacag	tttttcaagt	7080
agagtctatg	tgcaattcac	tgacatttt	ctggtcctgt	tactcaaaga	cacagaacca	7140
atctgaacgt	ccgagactga	gagaaatgtg	gaggttattt	gagatcccca	gaatcagaga	7200
taagcgtggc	cgagaccaga	gtgttatgtg	cgtctgagtg	gcctttcttt	ccctaatagc	7260
tcaagaaata	ctggtttgct	tatggccttg	ggctgtttcc	agaggccacc	agtacatcct	7320
ccaggctcct	gggataaaga	gtgttgcctg	ccgagaagca	caggattctt	taaagttagg	7380
agtggtctgt	atgccagacc	ctaggaagcà	gatactttct	catacagaat	gagatttcat	7440
gatgaatggc	ttgttggtaa	gtaaaacaaa	cacatgaaaa	cgtgtgtgtg	tgtgtgtgtg	7500
tgtgtgtgtg	tgtgtgtgtg	tgatggctct	gcacgtaaga	gcatttgctg	atcttataga	7560
agccctgagt	ttgactccag	cacccatgtg	ctcataacta	cccctcagta	tagttcctag	7620
ggatctgaca	cccagttccc	acagccacgc	agtcacatgt	cacacactta	aaaataacac	7680
acacacac	acacacac	acacacatgt	atgtatgtat	atccgtgtat	acatctgaca	7740
tgttttaatt	ccacaacatc	atggaaatag	acctttagaa	ttttcctata	tccccccag	7800
tggctcacta	cattcaccat	tctagtggca	acttccgatg	tcataggtaa	gaatcagatg	7860
attcatgttt	ttcatctggt	tagactatgt	acccaaacat	gtatacacat	acacacac	7920
acacacacac	acacacac	acacacggat	ctactgtgct	gccctattga	ccatgatagt	7980
ctagagactg	acccatgctg	ttatattggc	taccccccc	ccctaaatgg	caggctacag	8040
ccactggcaa	ttttagatgt	taatgagtag	tgttagtggc	ctcttttggt	ctgcccttgg	8100
tttgaagtgc	acagttagtt	ggcctcttaa	ctggaaagtc	agtagtttgc	taagaataag	8160
aggatacata	ggctccatct	aagaaagtta	cgaatgcttt	ataaatcatt	taaaatacac	8220
cagctacagt	atatggtttg	gaactggcaa	taatttaaag	cactatgttg	tgtgtctagc	8280
catgaagggt	tctgtgtctt	tggatggcat	atcactgtta	acaaacacac	atgttactca	8340
taattgaaag	cgctcagcct	cttgtcacca	tgtaaggttt	gtcctgacct	gcctgcctcc	8400
tggaggggcg	ggaactggag	gggctaaaga	accaaacctc	ttcatctgaa	gccaaaccta	8460
ggcgtggaga	ggctgggccc	agaacaccat	cttgggctcc	tggtcttgtg	ttgtgttgta	8520
ggaaggggcc	atagccagga	acctaaagga	gcaacttagc	tgcagcacta	accccgctca	8580
ttactaatga	gtaattacag	caaatattta	caggtctcct	tcctaccttt	atgacttcct	8640

			1511101	U.DIZJ.CAC		
gttgctgaag	cactttggag	tgttgagaaa	gattgttctg	gaacatacgt	catacatggt	8700
tgtaggaaaa	gagtgcctct	aagcgcacac	acacacac	acacacacac	acacacgctt	8760
ggttttgttt	atgaattcca	tgtgggaata	acaaaattac	accttctaga	agctgagaat	8820
tttacttttc	aaaacaaggt	ttaaaaatca	attctcaact	gctggtttta	aagcaccaat	8880
aaggctattc	atgttcataa	agtaaaactt	gaggttaaat	cataggcatt	gcctaaatac	8940
ttttaaagc	actacaatgt	tttatgaaac	tgtgacccct	cacagtgcct	tctgagtgaa	9000
aacagaaaaa	cctagtagaa	taaatcaagg	tctataaaac	aagccatgtg	ggcaattctc	9060
tgagttccag	aagccctggt	aatgtattta	gggtttgttg	ttgttgttgt	tgtttgtttg	9120
tttgtttgtt	tgttttttaa	aatcggtcca	gtgagtggct	ttctcagtct	gctcctgtga	9180
gccactgtgc	cctgtgtttc	tctctggtgt	gtccagcagt	tcccaggtgc	tattttagaa	9240
tggcagcctt	cgctccagcg	ctggctgagg	ttgatggagc	taattttggt	gtctagggta	9300
aagggagcga	gaaagcctgt	gcaggagtca	aaaaggcttt	cttgtcccgg	gctgagagca	9360
gcgtggtgtt	accagacaca	ctacatttca	cctttagaac	ctttgtttgt	gtacttgcac	9420
aacaaatgtt	tacctagata	ttaagataaa	ggaaatatga	aggtcccatt	tcactggtga	9480
caagggagcg	tctataattg	taactgtatc	accgtgtagc	aagcaggagt	cccttttact	9540
ctatagccag	gtcttaaggg	aattaatggt	gggtgtggtg	tacaagccaa	ggcccttctc	9600
agtttctgtt	tctggcttta	ttgctgctac	tatgttttct	tggctcagcc	aatgttttgc	9660
cccacccatt	tggtgaaggc	ctttgtggtg	gtcaaggatt	cagagggaat	tctaaagcac	9720
tctgtggccc	cactctggag	tcatccgctg	ttctatggaa	accagttagc	agaccctggc	9780
accatcactc	ttttcctagg	ctctcagaaa	acgtttacat	ggtaccaata	cgaccttgtt	9840
tcaggccttc	acgttgtctt	ggaagcacag	caaattttcc	ttgtggcaag	agggttccat	9900
gaggacttgg	gggtttcttt	gaagatcccc	caaggattag	ctaaatactc	agtctgaaga	9960
tctaagaacc	tcactcaagg	gccttcccat	agggaagcta	cgaagcaggt	gactgctgga	10020
aatgagggtc	cccacactcc	agctctctca	tctgccccac	tcagtcactt	acggcacctc	10080
ctgagctccc	cacaagccta	ttcctctgcc	acacaggtat	tgtcacagta	ctcgttcgtc	10140
tctggttctt	agtccatgct	tgaatgcttt	ttccctcttt	ctgcccaaat	atctcacact	10200
ttgtcttatc	atgaatgagc	ctaagctctc	tgcctttaac	agaaacccat	agcattccca	10260
ccctgccttt	ccctccattt	gctgttttat	acttctttgt	tgtctaaaga	cattttattt	10320
gttcttgcct	ttccacgttc	gttcttgcac	atggcacaag	agcagggatg	tctgattttc	10380
tgatgtggcc	aataaatgct	gatccttttc	atttttctct	gaaatcatgg	ccattagaaa	10440
aataaataca	gaatgacttt	ggttttttgt	tttgttttgt	tttttcgaga	cagggtttct	10500
ctgtatagcc	cctggctgtc	ctggaactca	ctctgtagac	caggctggcc	tcgaactcag	10560
aaatctgcct	gcctctgcct	cccgagtgct	gggattaaag	gcgtgtgcca	ccactgcccg	10620
gcttcgaatg	actttgttga	tgtcccactt	tctcgggctc	agctgtctcc	atccacacga	10680
cttcccttca	cctgtttctg	tgaacaagaa	aataattggg	gttgggggag	gggcaaggca	10740
			_			

cgggccaggt	gagcattatt	tgccatcaga	tgcaaggatc	aggcaggtag	tatgccaatg	10800
ctgttgtgca	tcaagaatgc	atggtagtct	aggtaaactc	cccagcttaa	ctccggagtt	10860
aacagctttc	caggtgggaa	attatgcaaa	tgcatccgta	tcagctgtcc	caaagggtct	10920
ccctggaaag	cagacctcct	tcagtcagca	gggcattgtg	tagccctgta	tccatctgat	10980
cttctgtctg	aatttttaaa	tttgcataat	aagtttaaag	cttgctttct	atttccattt	11040
taggtgttct	gtagttgtct	gtaggtggaa	ttcaggaata	tggggacctt	agttcaaagg	11100
gatggaaacc	acaggcagaa	acactgcctc	agatcagctt	acccatcctt	atttgataat	11160
caccacgcag	gtcagaagag	gtttgtggta	ctgctggcct	cgagtataca	tgcttacagg	11220
ttatttgctg	atttggggac	tgtgctgcac	agagagatca	caccaaggca	tttgatgact	11280
ctggtctctt	caaatgactc	gtttaaacca	gtatgtggca	gtgtgtggca	ccaaggcacc	11340
tggctgcatc	tttaggatgt	tgccatcttg	gtgtggagta	aaaactaggc	cagatacagc	11400
acagagccag	gagcagaaaa	tggataggaa	tcgagagctc	tgagttgtat	aaagttaaaa	11460
aggactgggc	tggagaagac	cagagctttg	agagaagagc	attaaataag	acttcggtct	11520
tgaagattag	aatttgggtt	tgcacaggca	gcaactgcag	gctacgctgg	ggatgggcga	11580
ggcagtgcag	accgcgagac	ggaaagaagc	agagtgcgca	ggacagggct	tggggggtgc	11640
tcctttcttt	caactcggaa	tcagtagatc	ttatattagc	agagatggag	cctgggcctg	11700
gactggagaa	tctagggaca	ggccctcttc	gagcatgttt	gatggaattc	tcagcctgcc	11760
ttttttggag	acattagaag	ctatttagag	caattttatt	gtccttctcc	cacaaactta	11820
gctagagtgt	gcacacctag	gagtgattgg	cagaagccat	gatggcctcc	aaaacaatga	11880
cctcaaagcg	ctgaacccat	agatcttagg	aaacccactg	tcattccgtc	aggtatgtat	11940
ttctttgtgg	cttgcatagc	tgcttgggag	tgataaatac	tagagttcta	tcagaatggg	12000
aacctgaagg	gggacggctt	gctgttaccc	taaaattgcc	ttgcccttca	ttcccatgtt	12060
ctcactagga	ggccaaagcc	tttgtcccct	tggggacttg	gtaaggtcat	ttgtcatatc	12120
ctttcttgcc	atttctcctt	agagaaggat	aaggcttctt	tcggcaccta	gcacgtggag	12180
ggagttacac	agccaaggct	gagtcaaatc	tttagtctct	actggtagct	cttcatccaa	12240
acccagccca	gagcactccg	gccaagccgt	tctgtgacct	tctctttaag	acccagatct	12300
ggttgatgtt	ctgagtctga	ccatgccaga	agagtggggg	aaaaaagaa	tcctctttcg	12360
gagtcacctg	ggtaggacag	tcagagccct	ttcctctcca	caagcaggtg	tgaccttttc	12420
cctggaggaa	tttagaagca	ctaaggtcac	agttggtcaa	agtgggccag	gagttggtca	12480
aagatcccaa	atccctggac	aagagcccac	atcagggaca	gcagaggcca	gcaactgatc	12540
ctagttacat	gagtttaccc	tgcccagtgg	tacttcaagg	gagggaacgg	ctcctagatg	12600
gttttgtgtt	aaactttaac	ctcacaatga	caactgtcat	gtctcaactg	ttagttctgt	12660
cccctgtggt	tgtaggacgg	aggaaccact	gctcagttct	ggcaggctgg	ttaggccagt	12720
ggtttgctca	ggttaaagcc	tgagcccaga	gaagagtctt	ctggagccaa	ggagccgtaa	12780
tcgcctgcca	gaaccacata	gggacagggg	acagtggagc	tttgcagcac	agtacagact	12840

ggcccttatc	caggagctaa	ctgagacctc	gggccatccc	ttctggaagc	ctcagggaag	12900
ctctaagaaa	agccagaaac	caagaccaga	cctgaccaca	catactcaga	tctctccaca	12960
ttataaatgc	gagtgtagca	tctacattcc	gatagcttct	tacaggggtc	aggaagggaa	13020
aaggaagatg	tcttagccaa	gtttgcctgt	gactaaacac	cagatagcta	gctccatgtc	13080
tatgtatctg	tgttttcttt	cctaagtgtg	tttcttaagg	tttaaaaaga	tgcatgtgta	13140
tgcccgggtg	tttgtatgtg	taacacatgt	ctcaggtacc	tgcagagacċ	agaagaggc	13200
gctggatctc	ctgaagctgg	aattacaagt	ggttgtgagc	catggatcat	gggtacttgg	13260
aactgggcct	gggccctctg	tgctcttagc	tgctaagcta	tctaccccac	cagcgtctgt	13320
gttcatgttc	ttttccaaag	taaaaggtcc	ttaaaaaaac	aacaaacgag	caaacaaaca	13380
aacaaacaag	caagcctttg	cttctcctga	actcatagca	ggttcttcct	ggccttggtc	13440
agtgaggggc	taggcccggg	catagctcaa	gccagtgtgg	ttctcatgtt	ctctagctca	13500
ttccaggcta	tggggagatc	cagaggacta	gcgcgctcct	agtgagtgca	ctctccatcc	13560
tgagccatct	ctcaagcaca	ttagattctt	ttctctaaat	cagtgggtgc	attttagttc	13620
tggccacctg	tagttgcttg	tgtggggaca	agggtggtga	catcacctta	attttcctgg	13680
ccttgggtcc	ccggagccct	tgtttatttc	ggggagtgac	aagctttcac	ccacttgaat	13740
tccttcgcct	ccaaatagcg	tcagaatgac	cacaagcctc	ctgtgtttct	tcgctttctc	13800
gggttttgcc	agattctaaa	tgccgtcagg	gccactggct	cttgttttat	gtccctggca	13860
aagctggcct	tcccatgaag	ttcaaagccg	ctttcaggca	tcttgggagt	ctgggagact	13920
gctttcgctt	gctctctgct	ttgtgcggac	ctaggttgga	gatgtcacct	ctgtctgctg	13980
ctctctgaat	acgaaccagg	gaatgttcta	gtaataccac	gtgctttaaa	tgtatatttt	14040
aaaagcacac	tttgtgagta	ttatcttaat	ggaaagaact	ttgaaaagta	taaagtgcaa	14100
accttctagg	cattgtcatt	aaggagcaga	gcaatatact	cattaggtgt	gttattacct	14160
cttaaaagtg	aaccgcctgc	agacaggagg	aagccttgag	agaggctaac	aggagactct	14220
ggtctccagg	ctcctaccgg	tgggtccctc	cgcctgggct	tttgggtcct	gtggattctt	14280
gccaatcgtg	gcatttagtg	gataccccaa	gactgaggaa	atctgaagaa	agtcctgaca	14340
agcaccagat	cccaacaccc	ttctgcttgc	tttgtttccc	ctcacctgtg	aagcaggaga	14400
gggcacagcc	cagcactcac	gtcaaggacg	acacatcctt	ccgtgtcgca	caggaaccag	14460
ggctgcccag	gccatagctg	ctcgcctctt	cctcgttcca	ctattttatg	ccaaagagag	14520
gcattgacaa	cctagaaaca	ggtgctactc	taaagagacc	ttggtctcct	tgaatgcaga	14580
ggcctggctg	tgcttatacc	ctaaccagga	gacttgaccg	gtcactcagc	tctggcctca	14640
gacctatcat	caactgtaac	acatctggac	ttcttacctc	tgagctctct	cttccctcag	14700
ccccacccgg	gagactggcc	agctgacttc	aagcggtcct	tctcagctta	aatatcacct	14760
cctcagggaa	gcctttctcg	acgtccttcc	attgacctct	aatcctgttc	catttgtctt	14820
ctaaacattt	tccacgtgta	atttacatgt	ttacttatgt	ctaccatgcc	cctcccctgc	14880
cagggtgaaa	ctgaaggtat	ggactccaca	cgtgccttgt	ttaccactga	gggctcagcc	14940

tttagaatgg	agcctgcatg	cactgctgct	ttttacagat	gcgttcagcg	aactcgttgc	15000
tccgatattg	ctgggctcta	cattaccacg	gtttacaatt	gtccagtgtt	ttcctaaagc	15060
tgattttgtt	tttgttttct	gaggtagggt	cccaggggct	aggatttaca	tgaatgcccc	15120
catacttgtt	ctttccaaag	ctcttggtgc	taacaccaag	gaattgtcac	tttttagcat	15180
atggatgagg	cagttgagac	actagagtat	aatgaccatg	ccagggtctg	gcagtaccta	15240
cctgaacacg	ttcccagccc	cagactattt	gcaaagatcc	acgctgcctc	tcttggcccc	15300
atagttttct	gttgtggcga	tgttattgtt	tgtcatattt	ggcaatgttt	accccagaga	15360
agtagggcca	ttgtgtgctg	gtagcgtctg	ggaatgcaca	gccaagtccc	aggggaatgg	15420
ccactgctgt	tcttaccaca	attagaaatt	gtcaagccag	gagcagaagc	agggtgggtg	15480
ctgccataca	ctgctggttc	tgcctctcca	tggggctggg	gtgagggtcc	tagctccgca	15540
gccccgtgtg	tctccttgtc	ctggctctcc	cactcacatc	gaagtgtgga	ccttctcctg	15600
cagggcgatg	tgctatgctt	agtgaatttc	ctgagaagag	gtaggcatta	gctggctaga	15660
tgaccacctc	tggcctcaat	tattcaatta	ttctaccctc	tccaaaatga	accagtagat	15720
gggaaccaga	ccaggtaacc	ccaaaactct	ccaggttcta	gctccgctct	gaagggaatt	15780
tccaggggtc	tggcctcctg	tttgcagatg	ctgactctgg	aaagagcagg	ggaagttgga	15840
ggttgttggc	aggggctggc	ggacctcttt	ccatctcttt	gtaactcttc	ctctccaaaa	15900
agatattcca	tcccatcagg	agttgctgtt	gggcctggtt	cagtgcagca	ggatgaacaa	15960
ccgcccccaa	aagtcagctg	aggtctgata	tgtgatatgg	tagaaagctc	ccaaaaggag	16020
gccatgcctc	catctccctg	atgcaggctt	ctggggtgtt	ctgatgccat	taacggacag	16080
gggtcagaca	ccaagtgcct	ctgtctaggc	cttcgttttc	atgtctggca	ggtgactgtt	16140
ctgtgccctt	caattgaaca	aggctgcaca	gatgtaaact	gccacagagg	aagggcacat	16200
tgctgctatg	attcctgtgt	acgaatgttt	ctggcgtgct	cacacctggt	agtgacatga	16260
actgattgac	acttgcagcc	tgcaaatacg	gtcctgcaac	ctgaggcacc	aagggagaag	16320
tcagctagga	agcccgtgag	gccttaagtt	gttgaatgaa	gtcatgctgc	acagggtggg	16380
gggtggggt	gaccgtgctg	caggatagag	gtgagtcaca	gtgcaagact	gttggggagt	16440
caccttgaat	ctgagccaaa	aaagcagaaa	tattgggact	cgtttatcag	ccttctatca	16500
ggtacatcaa	gttctggatg	gccacccact	ggccagcgac	atgatgtgga	cggctctgct	16560
ctaccgccct	gggaaggctc	tctgctggct	cttgccccgc	tgagcaaagt	ccgcttgttc	16620
gctggagttc	acacagactc	cttgccaggc	ctgcccagaa	tcctgtctcc	tctgacttcc	16680
tgtgttcttg	cataatattt	ccttgcctct	tgaatggctg	gccccagtgc	gggggcagct	16740
cactggctct	gctggattga	gagtaggatg	tggagggagg	atgggtgata	tttggatcta	16800
atccgtgggt	gctccgcgtc	ctggtggcag	agcccctcaa	actttttgat	ggaagctttc	16860
agccagaagg	gagtgagaga	gcattgcaga	ctgtatacac	acactcgctc	gtgcacatgc	16920
tccctggctt	cttatattca	tgaatcatct	ccctgggaaa	attgttgaag	tagttcaatt	16980
gttttcttct	ggtcataaaa	atatgaatta	ttcccatata	gtcactgtat	aagaagccta	17040
			_	01		

aaagtaaaat	aaatatatat	atatatataa	ataaaaaaca	aaaaaatgta	ttattgaaag	17100
ataagttcca	ttaacagtga	atatagtttc	tcctacgtca	gaaaggctga	tccccatggc	17160
tatgggatac	cagcaatatt	agctgtatta	agttctgctt	actgatgcat	cttcatgaga	17220
ctcccattca	ctacccgtcc	aggctcaaaa	agcaagtggt	aactggccca	acaattattt	17280
ccaaacctga	aaagcaatgt	ctcccctgaa	gttctgacca	gtatgctctg	gagtcccaga	17340
aataactgca	aaatcaaagg	ctggtgcctg	tgtgagcctt	tctgtaggct	tagagtaatt	17400
cccatgatta	cacaggagaa	ggctgcttcg	atgacagctc	tgagggctgg	gcctggtctc	17460
actttgggga	aaaaaaactc	catctatcca	cagggccgtg	tgtgagttaa	gccaggagcc	17520
cactggctgg	cagagcaagt	ttaactttgg	ctttccagtg	ctcaagattt	cagggaggct	17580
ctatttaaat	tttacttggc	tgtcaccctt	ctgaaaattt	gtagcactat	ccgtatcttt	17640
aaggaagtga	cctttccccg	tccttgtcct	tgttagcatg	acatgagaac	ttggaagcgt	17700
ccatggtgac	ctgcttccag	tttgattatt	gaaaacaaaa	caaaaccatg	catagatccg	17760
gggtttctga	cttacctctg	gaaactgtac	tttctacagg	gtggccatga	gagtttgcag	17820
gccacctgct	aaaagttgac	aacctgagag	tctgcagtag	acaacacaca	cagcatgctt	17880
ctgtgttgga	tctgagtgtc	tcctgcatct	gtctgttttc	tttgcttctc	ctttaaactg	17940
ggttaaccat	cctccatatt	ggtactgggg	atagatagca	cccagggcct	cacagattgc	18000
tagaaaagtg	ctctaccaat	gagcaacgtc	ctctgctcaa	tgagtgtgtg	tgtgtgtgtg	18060
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgta	aatatcagaa	acttggttaa	ataaatatat	18120
gtaacataca	atatacttat	ataatatatg	tgtatatatt	atatatctcc	atcccaaagt	18180
tctctgtttg	agactggact	taatacttcc	cgttgggaat	tgcttataag	gttttacttt	18240
ttagtaaaga	aaagttgttt	gtttcctaaa	ctctctggct	taaactttt	acttaagtca	18300
aaaagcaaga	gaatacctct	cggcttgaat	acctttattt	ttaaagctca	agagtctttt	18360
ttaaaacaaa	aacttgctac	agaacttggc	accaggggac	tgcaaggatt	taccttattt	18420
tgatgatagc	tgcctgcaaa	cgatctatta	gaataatctg	cataattgca	gtctcccctt	18480
cagtttattc	agcctgcact	ccctagtcta	gatttactgg	ccagactgtt	attacatcaa	18540
attccttgat	gctgtattcc	tgaggactga	tggaactaag	agttacagag	aggaatcagc	18600
gacctttgtc	tgcttttcag	aattcttcag	aacatactga	tttagccagg	ggcttttgcg	18660
attgctctcc	ttactgggtc	agtacctgat	tttgctgggt	ttctggccac	acatgtgcgt	18720
ttgggaagca	ggatagatag	ggcgagaaac	ctgaattggc	agtcagagtt	atgaaacagg	18780
actttgttac	aattgatagg	tctgtacagt	ggacgcacag	cagctgttgg	catggtaact	18840
cctacgtggc	agagtgcatg	gagcccgcag	atgactttag	cagcgctccg	tgttaatttg	18900
ataaatggct	tttttaatag	tagtttgtgg	gctaatggaa	agattgaagc	gaaccctcgt	18960
taatggaagg	gaggatggag	attttgaagc	cactgggtga	agtcggagag	tcccagccaa	19020
gtctccattt	tcagctcagt	gtctctttc	atgtgcctga	agtgtggcaa	accaaagtac	19080
agtagggagc	ctgccttgag	agtaggcatc	ggccctgggc	tccggcttac	gagtgaagag	19140

gcttcagggt	ccttattcaa	tacagttgct	ttgtgcaggg	gcttagctta	gggccactgt	19200
aagaagtcta	cattgtgttt	tctttttcct	tagtggtaat	ggggcagggg	ttatggtggc	19260
cgacaggtct	ggcatattta	gccgtttggt	tggttgtatt	gtggttattt	gggttctcag	19320
aggggttgtt	tatttttgtc	tctggtttgt	ttgttgacat	agggtctcgt	aacccaggct	19380
ggcctcagat	gccctacata	tatatatctc	tgaggatgac	cctggacctc	tgatccttct	19440
actgccagct	ccagggtgct	ggggtcatag	gcgtgaacca	ccttgcctag	ctaatgtggt	19500
atcggggatt	gaacacagag	cttctgcctg	ctagatgaca	ctctatcaat	taacggcatc	19560
tcctcctggt	ttcggccatc	tttcattgtg	tgagaataca	taatcacacc	acactgctgg	19620
cccactcaag	gagcctctct	gcaacccaca	ctgaagctct	gcgttcctta	tatagcgctc	19680
gacaaacacc	tctgggggat	ggatctcctc	actgtgttgc	caaagcaaaa	cctggggttt	19740
tttgcctttc	tggcaagttc	ccaggagacg	cggacattac	cggttctcag	tccacatgct	19800
gagaacttgg	tgctttacac	taatgcggag	aaaattggga	acaagacata	aagaggccaa	19860
atgacttgca	ccttaatggc	taaggatgat	ggagcttgaa	cttgaacgtg	gctagggcct	19920
ctaaggcacc	tgctgtctct	gtcttatcag	caatggcaga	agtgcagtgg	ctggagcatc	19980
ccaagggtac	cttctgccat	cccaagggta	cacggtgtat	taatctgtca	cagtcaagtt	20040
cagaggtggc	ctcggaagcc	tgctgctcac	agccttctct	gcgtgcgcat	tggagttggt	20100
tttcccctgg	gctaacctac	aatggagaca	gtaccaacaa	acccaccaat	gcagctgaaa	20160
caaaacaaga	ctttatccgg	gcattagtct	aggccgccta	ggagagaagt	ggtttgtggc	20220
ttagatttgt	aagggacgtg	gcatctccag	ttgttctagg	ccagaacaga	tcatcacagc	20280
tggagtcttt	gttcagatct	caggcaaccc	agggtacttg	agaagtttaa	gacagatagc	20340
attactagag	aggtttgttt	ggttggcttg	ctttttacat	tttcatactt	tttctcctta	20400
actcatactc	caaacattcc	attacatggc	gctaggtgta	gtgacggata	ttaagatggt	20460
ggccagtgaa	tacttgctaa	gaaaagtagg	ccaaaggcat	ctgtgtccaa	atatgctgaa	20520
ccgctcagcc	caagagcggg	agggatgatc	aagacagaag	gacaggtaac	acctgggatt	20580
cacacaacac	attggctctt	aaagtcacat	tttcaatgtc	cttaaaaaac	aaaatgcaca	20640
gacacagaca	caattaaaat	aagtcttaaa	agaaaaaatt	taaaaatgca	aaaattatag	20700
tggctactgc	tactgttctg	tccccaggat	gtcttccaca	aagagggaat	ggaagccaaa	20760
gcagggtttt	gtgtgcgtcc	ggagcctcct	gaccaatagc	tgtgattctt	ctggctttag	20820
aaataaccca	atgccatctc	tccagtggct	ttgccaaccc	acatgatacc	tatttctcat	20880
tacccccaat	aacgaatatt	tagtctgtga	ctgttgtgta	tacagggtga	tctcgtctca	20940
ataactattt	ataagcaact	taaaagcaag	ggtgggatta	ggaggtatat	atagctcgat	21000
ggtaaagtgt	tctttagcat	acccaaggcc	ctgagtttga	tccttagcat	aggatcagag	21060
tgaaaggggc	aagggcaagc	aagatgtttg	tggtggtgga	ggtggtggtg	gtggtagtgt	21120
gtgttactgt	gtgttactgt	gtgtgtgtgt	ttctctctct	ccatcatgtg	tataatatgg	21180
catgtgtata	gtaaatatta	catgtaaata	ttcaccatat	taaaagctat	ctgtaaatgc	21240

			1351101	.0.3123.CAC		
aaatttaatt	tgtgaagaga	taaagcttcc	aggtccattg	aagaggagag	gtggctctaa	21300
ataggctgtt	gcagacaaaa	cagacaccgt	caggagcaca	gatgctctac	tttggctgtg	21360
acacaccctg	tggcagagaa	gactggggtg	agaatgaaaa	atggacatcc	ttgggcaact	21420
cccagatgcc	atgggttttc	cacatcacat	ttgatcttat	aggtaaaatt	gtctttaatg	21480
ctggggatcc	agtgcaaggc	ctcacatata	gtaagcaagg	cttcttccac	tgaccacatc	21540
catgacactc	gcttttttg	tttgtttgtt	ttgttttgtt	tttcaagaca	gggtttctct	21600
gtgtagccct	ggctgtcctg	gaacacactt	tgtagaccag	cctggcctcg	aactcagaaa	21660
tccgcctgcc	tctgcctcct	gagtgctggg	attaaaggtg	tgcgccacca	caactggcga	21720
cactagcttt	taaagtcata	ttctaaaaac	tactacataa	gtgggtatct	gcgcacagct	21780
tgtaacagac	ttcacaagag	gggcagagtc	cgtgattcgg	agttgttttg	ttaaatgtca	21840
agaatacaga	aacatagaac	tggttaatat	ttctgctttc	gatgcaaatg	ggttaggtta	21900
gagccaggct	catggccttc	cccggtctta	ctctgcctca	tgtagcttgg	ctacaggcct	21960
tgggcatagt	gttggattaa	gcagagaggg	tccctaatag	gtatgttcag	gaaataggta	22020
tgttaaataa	aggaaatggg	gtttggggtg	ggctgaactt	tcctgaagga	gcaggaagat	22080
tttctctagt	cagatctttg	taagagcctc	cttcttactt	acaattaacc	cccccccac	22140
acacacacac	catggaagat	gtcctgacac	cctatggact	cagggttcac	tgcttagggc	22200
tctctgttct	atatgcttaa	gtcaggatct	tagagataag	ggttgtggaa	accaattcct	22260
gagttacatc	acaatactaa	tatcctttgg	aagtttttag	gtcattacct	taggaaggga	22320
agctattttg	ctattcattg	gagatgggag	gaggaacata	aagcaaaaat	ttctgctgat	22380
gtgggtgttt	gcttggggcc	aaggtactgg	gaggggcacc	aagggtgtgc	ttcctttatg	22440
tttgtaaaag	ccctactagc	ctctgtttaa	gacggtcctg	taggtaggtg	caggagggca	22500
tgaatcattt	tgtgctgcct	tcctcttggt	tcagcagagc	ccagcaagtc	agatgggtag	22560
aggtgaccta	tctggcctgg	tcaggctttc	cattggtcag	cagcaaaact	gtgctctggg	22620
cactgatgat	gccaggcccg	tgctggggcc	catgctggag	gatgaggtcc	acaagccagt	22680
tcctctgtac	ctccaaggct	tacaaaaccc	cagccactgg	gctgtgcaat	ctcacttcaa	22740
atgagtgtta	tgtccaccca	tggccgtcac	acatgagcat	ttcagtggaa	agagactgaa	22800
attctattgc	catggacttt	cagaactcat	gctcgatgga	gatagaaccc	accagtgtat	22860
taggttcttg	aaagctacct	cctgcgcatc	atttaaatcc	taaaaagata	atttccaatg	22920
aagagaaact	gattatttt	tgctagggac	aggttggctt	aaggtgggtg	ctattcgaga	22980
tgtctgagac	ctgagggatg	accaggatga	gaaggaaatg	gtcctacact	gggctaggtc	23040
ctccaggcaa	ccccctaca	gagagcagtc	tcctgcccgg	ggtggatttg	ggaccttctg	23100
aaatctttgt	ggtccaccag	tagggaatca	acttcttact	acggagagca	gctggagacg	23160
taagcataac	gcctttccat	tgtcccggcg	tgtattctca	agtgggtccc	ggcttcctgg	23220
aacggcttcc	cttgagtgtg	agggctgaga	tgagtctgcc	gggtgatgaa	tgggttcagg	23280
aaggagtggc	tgcatcacct	gcctggggga	tgagcaccca	cgtgacttca	tggttgtgca	23340

agaattgggc	aacgtttggc	cagggtggag	aggtcttggc	aaaggcagtt	tcactcctaa	23400	
cagattccta	tctcctccat	gggggaaaaa	caactatcag	gagatccatc	tgtacagcat	23460	
tggaggacgt	tgatcgcttc	ttcagctgtc	tgtggccttt	tatttgctaa	gaactcatgg	23520	
attgaagacc	tcagaagatt	aaggaagata	ggcatccctt	tccttcctgt	ggcagctctg	23580	
gagaagggga	gggtgggtaa	aaggaagaca	aggtgggagg	ccatcaatgg	caggacgggg	23640	
agaaatggtt	ttagagcgtc	tgcagagtag	tcgcagagca	gagtggtagg	cttgcaggtt	23700	
caagttgtgg	atctacctct	tagctgaggt	atcttgataa	agtactttaa	accctctgta	23760	
cctatgtgtt	taaagtacaa	gatggaaatc	attgtagtat	tgaatcagag	ggtagggctt	23820	
agtcatcatg	aaggttggtc	ctagttccaa	gacactagac	acaagtggaa	gggctgaact	23880	
aaacttgggt	ttttgactta	ccactcttca	ggtctcaatt	tcttcatctg	tacagtaaag	23940	
agactagagc	agattaatgc	taaggttttg	tgtattctaa	atgatatgat	tccatggttg	24000	
aataactatt	aagtgtctgc	tgtatgttcc	agcactgtac	ggggcatgcg	tgaataggga	24060	
tctctttgtc	cttaagatct	tgtcttactg	gggaatgttc	actaatacac	aggagaacat	24120	
ttaattcaca	aatcaactca	caaattaaaa	aacattagaa	gccagacatg	gtgacgcacg	24180	
cctttaatcc	cagcacttgg	gaggcagagg	caggtggatt	tctgagtttg	aggccagcgt	24240	
ggtctacaga	gtgagttcca	ggacagctag	ggctacacag	agaaaccctg	tctggaaaaa	24300	
caaaaacaaa	aacaaagcaa	aacaaaaaa	aaacaaaaca	aaaaaattag	aaattgaaaa	24360	
cttggagcat	tttggctgga	tagatggttc	atctgtcaaa	ggcacttggc	tgctctttcg	24420	
gaggacaggc	atttaattcc	cagcacccac	atggctggtc	acagttgcct	gtaactccaa	24480	
tttcaaggaa	tctggtgccc	ttttatggcc	tccatgagca	ccagttaggc	atgtgatgca	24540	
tatatatgca	gacaaaagat	ctatacagaa	gtcaaaagta	aataaattaa	aaacccaaat	24600	
gccgagtaat	ggatctgaag	aacattggaa	taagaaattt	cactgtggac	cagagtaggg	24660	
agacttgaca	gcagctatgc	accttgtcac	atcccaggaa	cactagcatt	aatactgaag	24720	
ctggagaaaa	cagcctccta	tttgaggctt	agaccaaatt	ttataagaag	agtatagact	24780	
gaaagtatga	tgtggtccaa	actggtttct	catatattct	tggatgttca	tcctatcaga	24840	
acaacgtatc	tggcacacgt	gagaattcac	tttccaaagg	ctgggaagat	ctagggctct	24900	
gcattgttag	cttcagcagc	acgtagtgtt	ctcagccctg	cctctagagg	gtagcgcaca	24960	
ggcaataccc	atcacacaat	acccatctta	cctatagctt	ggagaagagc	tttgagtggc	25020	
cttatgcttc	ctgagccaga	ttcttctaag	ataaattctt	ccagtgccta	aactttgacg	25080	
acattgtggg	aggggaatat	cgatacacac	ccctgaagtc	tctgcatcta	catttggagg	25140	
aaacttagca	accccttcaa	aggtgtttca	taataaccaa	accatagttc	ctcatgcaaa	25200	
ttggctgatc	caggcaacaa	gggaatattc	ctaatggcca	aagtagtgga	gttcaggtca	25260	
tctcagtgat	agagctggga	agaggcttac	gcaggtcttg	aaaagtaaga	agaggccatt	25320	
ttgggagata	agatgggtaa	ggcctcagct	acctaccagt	ttccaggcca	cctctcccaa	25380	
tgcacacatg	cgcgcgcaca	cacacacaca	cacacacaca	cacacacaca	cgcactcttt	25440	
			Pa	ge 95			

ctcacacact	cttttacaca	tacattcttt	cacacacaca	ctcttacaca	cacattcttt	25500
cacatacaca	cacactcttt	ctcacactct	cttttacaca	cacattcttt	cacacacaca	25560
ctctttctca	cacactcttt	tacacacatt	ctttcacaca	cacactctct	ttctcaaaca	25620
cactctttta	cacacatatt	ctttcacaca	cacactcttt	tacacacaca	ttctttcaca	25680
cacacacttt	ctcacacaca	ctcttttgca	cacacattct	ttcacacaca	cactctcttt	25740
tacacacaca	ttctttcaca	cacacacaca	gacacacaca	cagacacaca	gacacacaca	25800
cacacacaca	cacacacaca	caccacattg	caggtagtca	gtgcatttgg	atgtggttct	25860
ttatttccag	acaggaagtg	agatgtaaat	gacagatgag	gtgcatgaac	tctctggcct	25920
cacccagaca	ctgataattt	cccatcatct	cttgagcagt	cagtgatggc	ctggctcgat	25980
agggcggttc	atgacaccct	agcttcagat	cagcagattg	cagcttgttg	ctgagactcc	26040
ttcctgttac	agaccacaga	aatcctggtg	acatgcggcc	cattttacct	tgtgtaaagg	26100
cacaaggaca	tgtcacgctt	gccatgagaa	cacccgttca	cacaggcacc	aaagcagtag	26160
gcaggccaga	tggagtcaca	gggttcagag	aaggactgtg	acataatgct	gaagccccgt	26220
gttggggaca	gatgtctctc	tgccttccag	gaggcggcag	taagcgcttc	ttttccaaac	26280
cctcctctca	tcccggtccc	ctcccctttt	cgttcataaa	aaagttattt	tcttccaaat	26340
aagcaattcc	aaaatatatg	aaataaacgt	tagttctaat	gagcctctgg	gaaagtgctc	26400
acctttgaac	teggecaagg	attatgggga	aaagaaaaag	tcgtaggaac	ttgatagagc	26460
gttagagctt	cctgggtttt	taagctgggt	tatgtattgc	atttctttgc	cttaataagg	26520
acggttccag	aactctgccc	tggataattg	ggccatgtct	gatagtagag	acccaggatt	26580
ggttactgga	ttagggatta	ttatctgggt	gctaggcaac	aattgggtag	gaggccctgt	26640
ttctagaatg	ttctttcttt	ccaaggactc	agaacctttt	ttttttttg	atggtccctg	26700
tggggagtct	gagacctagg	aagaaacaag	aggatgttta	taggaggccg	actgctaaag	26760
gggagtaaca	ctcaggaact	gtcctgctga	gacaagctta	cccccccac	ttccccgaga	26820
cattgctgct	tcaaataaca	gaaatcattt	tctgaaagac	aggctttcag	tctgggtcgc	26880
ctctggctgc	ttgtatggac	tcttcacatc	tgaatttccc	caccctcctc	ccccagataa	26940
gaagtttact	tccagccatt	ggcacaaatc	atccctaggg	tgacttgaac	ctgactaagg	27000
acagctctcg	aaaatcctga	taaggtctcc	aaacttctat	gccctgtagc	agtaactaac	27060
cattcccctt	tctttaaact	cgtccatctt	gctttcattg	tagtgttttt	cctcatgcct	27120
aagtcaaatg	agctctgtgt	ctcatcccta	ccactctcga	gggctgagca	tcaccagtgg	27180
gctcctccta	gggaccagag	atctagaaac	acagaggacc	ttagctgagc	tggaggtacc	27240
acttcacggc	atgagctgtt	tttcctcaat	tttccttcct	aggcctgcac	agatttcttt	27300
actggatgga	taggccccca	tgcataccca	gcctacctcc	agcccagcac	ctgctcagta	27360
cacttagcct	gtaaatacag	tcatcccaca	aaggacattt	tctctggtgg	ctttaaggtt	27420
tgacggagag	ttctctagac	ttggcagctt	agctgtgacc	tcaggaatct	cggtgctggc	27480
aaggctaggt	ctttgcacta	acgtggctca	gtgcccatgg	agataatctc	ctcttgtaat	27540

gggtgcacaa	tcattttatt	gttgaagcaa	taggaacgca	aaaacagaag	gaatcccaca	27600
acagagcttg	cccgtggctc	agtgagcctc	tctgctcctg	gctgagggca	ccttgggaca	27660
cctcaagttc	aatcccaacc	gccaccctga	aggtcagctg	attcataagg	tgtgggctta	27720
tggaggagcc	tacacccaca	gcctgagcct	ccccaggcct	ggcactgccc	tgtgttctgg	27780
ctaacacctc	ctgtttattg	tttgaaactc	aaaagacaaa	accctccagc	aacctcctcc	27840
ctttctactc	tgagataggt	accccctttt	gtccctatta	ccactgactt	ctgcagtagc	27900
agcatttggc	tccaacactt	gagtgctcgg	taggcatcag	acacagttct	gagcacgtta	27960
caagcgtttc	ttccttccaa	gtgctccatg	gaacagagac	ctgtaatgaa	aactaaagta	28020
ggttgtccta	gatcagagca	tgcaagtgcc	caggccctca	ggcccaggct	gcctgcttgt	28080
ctggctccca	cactggcttc	ctcacagagg	cagtgttccc	acctagtagg	tctgcacttg	28140
tagtaagtac	ctattcagta	agtgaaggct	tatggctcac	aaatacctga	tgggatttaa	28200
attccaaaga	gctgtgcagc	ttacaaagtt	acataaatgc	acaggaccac	tgacttttta	28260
ttttagcaaa	gtaagggtga	tgcttatctg	ttgttgttga	tttttttta	actctgtgga	28320
gagagatgga	gagagagtac	accacagtgc	acgcatggga	gccagaagat	aagccaaggg	28380
agccagtttt	ctccttccat	cctctgggtc	cctgggatca	aacgcctcac	ggcttcagat	28440
tggcagcagg	tgccttcacc	tgcccaggga	tgctctatga	ctccagttgc	tttggaacgg	28500
tttttttcta	ggtagcatag	tcagagctgt	gagatttggc	agactgccac	aggggaaagg	28560
acagtgtgtt	tgtcagaata	ctggcggcct	ttagaagcga	tttccatgaa	gctgaagttg	28620
caactgacat	tttaaaaata	attaaggaaa	gagagcaacc	gaagtctgtc	ccgggcggtt	28680
ccaaagaggt	tgtgtgtctg	ctctccagcc	atcagcaggg	ctgggatatc	cgagactaag	28740
tgacaactca	ggcaagcctc	cagggtcaca	caacacagcc	cctccactca	ggtctcccca	28800
tgctggtaga	atgtagcatg	caagcctctg	gggctgtagg	gtctgagtgg	gcctttggca	28860
gcctttctct	gtggctctcc	acacagtaga	acgagagatc	cggcctgaag	gctacacagc	28920
tgtgtctgag	gcagagctga	gttgctaata	tctcttcctg	atggccaagg	cagggatttt	28980
tacaggccta	gaaatctagc	cctgcttcgg	tagctctggg	aggaggtcct	gggtgctcca	29040
actgcttggc	caggggacag	atggagcatt	gagcctttca	ccaggatctc	atggaaagcc	29100
agtgtcctgt	cacctgtcac	ctgtcacctg	tcacctgtca	ccattaatag	gcacaaagag	29160
tgttgcacag	aaaaaaagta	ccaacttgtt	ttcttttcaa	ctgctgggct	gggtaatgat	29220
gtaaaaacga	cattatccct	aataaacgtg	atttgcagag	atcgttgaca	accccagtag	29280
cagagacttg	cattagcagg	taaacagata	agagaaacag	ccggcttcac	cagctcctgg	29340
cgtggcacgt	gtgtctaggt	ctggtatgaa	ctgaaggttg	ggggtggagt	gtggagtttt	29400
aaaggcgaat	cgggtgatgg	agagagtttg	tcttaaggtt	ggccatccca	taaatctact	29460
tctcgatttt	taggttgtgg	tttcagttgt	atacatgttt	gttttggtgg	tattttttt	29520
tcttaaggga	tgggggcgtg	cttatggggt	gtgtggcttg	tcctagtttc	tcacctccat	29580
attacctcac	caaaggaggt	gggagccctg	gtcaggccct	agcaccgtcc	ctgccaagtg	29640

actaaagagg	gcagccacat	ctgtggcata	cagtctatgg	gcctgcagcg	agtggtagat	29700
tgctcgatta	tgtcaaggag	ttgggatcaa	gacaggaact	tccgcaggtg	gggagagagt	29760
ggcttctgtc	tggacctgtt	cccctagtga	gggctgactg	gcagctggct	ccctaaaaca	29820
cctgaatgta	ggtagcaggc	acaggtaccc	atgtctgtgt	gagaatagct	tcaggatatg	29880
tgggtaagtt	agttgaaccc	ttgggtgtta	aataacctgg	atacagtcac	cgttatttct	29940
ctttaccatt	ttttttttt	tgccagaaag	cactaaagca	ttaggactct	ggcttcctgc	30000
tcctgaggct	ggaggagtgt	ggcttgtcta	accttctcag	cagctggcca	cgtcacatct	30060
gaaagagcta	cctgatgctg	ttgttgcctc	tgtgcgtgtg	tgtgtgcgtg	tgtgtgtgtg	30120
tgtgtgtgtg	taattcataa	gcttgccttc	cacctgtccc	tcagaggaga	ccccccaag	30180
ataaggaata	actgaaaggc	cagaacctca	cagctgagga	tcaatcaagt	ctcagtgctc	30240
aggcctgggc	cggggaggag	gcatccacat	ggactgcgga	gagtggctga	gggagcctct	30300
gcagggtggc	aggttatgct	ggaccttaaa	gcttggaagg	tcagaaggaa	gaagaccctc	30360
tactaaggca	caactactag	gacctcgctg	gatggccggc	aggatgtggc	atgtggatct	30420
acatgtatgg	gggggggcg	caaagggaca	cagctggaag	acaggggcaa	acatctggaa	30480
ataaatgaaa	tacccatgca	gtctgccaag	gggtatagcc	tggttaagga	attgttttca	30540
tcctgtgggt	aacgtgtgac	ctgtgcttca	gcaagaagac	cttgacaagg	tctctgagga	30600
cccagccgga	atacggccca	cagcagccca	gccgacacgg	ctgtacttgg	agcttttaac	30660
aaagacattc	atttctcttg	cctatggtgt	caaaagagag	attctcatat	gtactgtcca	30720
gtgtggccaa	agcttggcca	acagaatggg	ccgaatctaa	ctggctgctg	tgctgcctcc	30780
gatcacttgt	ggggcagtgt	gcacacttag	tcaccccact	ctgccttgcc	acctttctcc	30840
tgcgctttgc	tgtctcctga	tcactggccc	ctgtccttcc	ctcagaggta	tttgtgtcct	30900
ggcttcctgg	cttccttccc	tccacccact	ctcccttcca	attacctctc	caagtctttc	30960
tgactttctc	ctctcacact	ctggtgttga	ctggggagta	aaccagtcct	ccagaacaga	31020
acttctctgc	aggctccctg	aggtcagggg	agccatctcc	acttgtcact	cttgctggaa	31080
gaccacacat	ggaagaaggg	aatcatgtct	gtgcaatgag	tgcagcgagt	aagcccctgc	31140
tggggaagac	agcctgatgt	cctaggttgc	tcagggttac	catctgagag	gaagcctttg	31200
gcatttcccg	tggcttcgga	tgacttcttt	gcaaaggaat	ggagtaaagc	ttcctaaata	31260
tgcacagata	ctcaattctc	acagggacga	agaagggaca	aatttgggag	aaaacaagag	31320
cctgccctgt	ggccgtgaat	cagacccaga	aagccagaca	tgtgaccatg	taaacggggc	31380
acatatcggt	gttcttgcag	tagaaccagc	aagattctct	cagttggttc	cttttctaaa	31440
aacagggtct	catgctgccc	aggctagact	tggatttgct	atataacggc	gggtggcctt	31500
gggctcctgg	tcatccttct	gggtgcagag	attactgtcc	tgcgtcccca	tgcatggctg	31560
ctgcaggaca	ctcatctcgg	gcttgaacat	taggcgagca	ctctaccaag	gcgagctaac	31620
tcctcccaga	gatcctgcag	ggtttccccc	ttgtctgtac	gtgttcccaa	acccgtgcca	31680
cagctctgac	cctgaattgg	attagaagag	cacatcctga	ggttcttcat	cttaacttgt	31740

gaccaagcgc	cagtcctgac	gaaaagacca	aaacactttc	tgttcttctt	aaaattaaag	31800
tgtctgaagt	agagagaggc	tcagccctta	taattatgag	aagtttccct	cgcccaacac	31860
ccatctgctt	aggatggctc	cccacacctt	tcctccttgt	cctcttcctc	ctcttccttt	31920
tctacatcct	aatgtgtaac	ccttgtaggg	gactttctgc	cccttcttc	ctgcgtatac	31980
ccagtgctgg	ccgcagaggc	agcccagctc	tgttttctca	tgatgcagtg	attatttttg	32040
gcactgcgca	tattttctct	aatgttatta	ttgcctcctc	cacccttctg	ggtgccttct	32100
gaggagcact	cagtttttgg	caattccaca	caaaatcaga	gggttaattt	tagttcagtg	32160
gtgaagacga	ggcaaggaga	gagggggatg	ccttctcctt	tcgccccact	gcagcatcct	32220
atgcccaccc	caaaagggat	gcgtttcccc	atgcctactc	ataaaagagc	ttgcttgctt	32280
ccctggctct	gtgttagcca	ttcatccact	gctgggcctg	gggttgaggg	taccgctctc	32340
cagaggtgac	gtccttcggg	ggctgcacct	cagggctggc	atcttaatga	cttgacttgg	32400
cgggcttaga	acagcctcat	tcagaccgag	ttcactccct	gcgcagttgg	cccactcagc	32460
ttctgtccat	agagttctct	tgttcaagct	gcaggaggaa	atggagattt	ccaagtggga	32520
agcagccttc	ccaatgcctt	aactcttccc	tgcagggaag	aggagctaca	gagagagagc	32580
aaaagaaaac	ccaagaggca	cagctgcagt	tccctgggag	agggggacag	gggcggggtg	32640
gggagcagtg	tggctggggg	ctgaggctgg	agccagcaca	gctgggatca	ctttccttcc	32700
tggggaggtg	ggaaggaaga	aagtggaggg	cgcatttgaa	ttgccctaca	tcaattagca	32760
gatatttttc	agtttgtcca	gagctgaggc	cctgagaaga	acatgcaaaa	gtagagaatg	32820
cagtgtctct	gctgccacag	tccttaaagc	agtaggaaca	tcacacagga	aagccggtaa	32880
gatggggaca	ttctctaata	atgaatggcg	ttagtaatgt	gggcagaagt	gccagaggga	32940
gccgggacca	ggcatggcaa	gaaatataca	agtgaagctg	attcttcctg	acagaggaag	33000
tggtctgatc	cgttacgtag	taagtaccct	tgaccaaaca	tggcgttggg	tagtggacac	33060
actgcacact	gtctttggct	tcaagatctt	aaaggtcctg	gaattctttc	tgttgaaagt	33120
gtgaggtcat	agaccagcag	catcagcatc	agcatctagg	atggtgctag	aaatgtagac	33180
cctcatgccc	cggcccagcc	ccgaacttaa	aagtacagtg	gatcaagttc	cctaatgctc	33240
tgtgcactcg	gaacagtgta	ggtgatgtca	tagactagat	gatagcccag	tgtttattca	33300
gagggatgga	tcacatgctt	gtgtgcacgt	gggagcaaac	acacacacac	acttttacct	33360
atgagtgtca	ctgtattaag	aactgttccc	gggtagaaac	ttcttggtct	aatcacgtgc	33420
tgggttagaa	ttcttaggga	agattcaaac	agtgagcagc	attgaggaat	ttacgcccca	33480
gaagtcactg	aggtggtttt	taatgccttc	ctctggtact	gcttgtgcct	cagaggaagg	33540
actctgaggg	aaccaagggt	gggggccttc	ccagaagaac	atgtctgcat	ggggtgaaat	33600
gaaagggaga	acagcatgag	gctgactctg	cagcgtggaa	tctctggagc	aatgtgaaga	33660
ggtcagaaca	ggcagggcct	tcccggggaa	aatggacacc	tctggaggtg	aacagaggag	33720
ctgtggaaca	gagatagact	aagatggtca	agaggaacat	tctggaaggc	cgtggggagt	33780
~+~~~+~~~+	2020012221	cttccaggct	acatagaact	ggtcagctgt	tctccacacc	33840

tcggagcctt	gcttcatgct	agggagttca	tgtcacacac	cgatcagcct	cttcttcctt	33900
ttttctgctg	tgcgattttg	ctagctctct	ctgctgaaaa	agaagtgctg	tagggacggc	33960
ttgcacatgt	gctgtggctt	gagccaaatc	acagatttgt	gttgttgggt	gcttgtgggg	34020
tccaaaagaa	ggtgtctgag	aggacacagg	agccctaagg	agaaacccca	gaggccttca	34080
ggcaacagct	taggcatggg	gcttacgccc	agacccaggg	gaaaggcccg	aaagaaacgg	34140
accagggaga	aagacgcgct	caccggagac	atccattaca	cctgcccacc	acagtaagca	34200
tgctgtcccc	aagtcactct	atctctgctc	aacccctgtg	attctctcca	ccagcccttt	34260
ctccatccct	ccctccctcc	tttcttttt	tctcccttta	acttcttgtc	tttagatctc	34320
caaacaaaga	tgatctcccc	cttccctctg	gcaagtttgc	cccttgaagc	aatggcctag	34380
agtagaaggt	gatcctgctg	tcccctctct	tgccacttcc	ttgatcaaga	gagtgttttc	34440
aatggcttca	aattcagtat	tcttagaggg	ctataccctc	cgtgtgccca	gttcagcgaa	34500
gccttctgag	ctgcaagagg	ggcctgttta	ttggcatttg	gagaaaattg	cccaattaca	34560
acccaatgtg	gcatgtgggc	tgcgttgaca	cagatgtgag	agctaagcat	gccaacttcc	34620
tccatctctg	ggggctgctt	cctcagggca	cgtgacctgt	cgccatactc	tttccatgag	34680
atttgaggat	taagtcaggc	agtaggaatg	gataagtgat	ccttgttaag	tgcaaagcac	34740
tgcccgtggt	tatttgctag	tttcagcagc	ggcagcagca	gcatttcaat	ttgctgatac	34800
taattaaccc	cttagctaga	gtctgcacat	tggcagaggt	caggcagtaa	agaacatcgg	34860
aggccagcaa	agaacaacac	ttagacagac	aaatggccac	tgctgcttgt	tggcccttca	34920
ttacacgtaa	acgtctacaa	gtcttctcta	gacctccatg	tgtgaggaga	gggacaacgg	34980
agagagagct	agcttagagt	gagggaagag	gaattgttga	cctgcaagat	ggccatcatc	35040
ccggcactgg	cttagagcca	aaggcagcct	cttcagatgc	ttcaaaaaga	tctaaggaaa	35100
agaggaaggc	tgagaggaag	gaagcctggg	ggcggggcat	gtagagccca	ggaccaggca	35160
gaacatgagt	ggttggtttt	ccttccttct	gcagactccc	ctgcctcagg	agtgaggcta	35220
cggatgttgc	cactcaggtg	aggggatgta	agatggcagg	gagttagata	catgttacaa	35280
agcagtatgc	agtgcagagg	cctacatcat	ggcactgttc	acaacagcta	agcgttgggg	35340
accccaactg	agcaacatat	ggggatcgcc	aaatgcattg	gggtctctgt	tcacacaata	35400
cgctgtgact	ggcttttagg	aatattaaga	aagaaatctg	agcattatac	gtaatgttaa	35460
gtaagaaagt	caaggggaaa	agccgtacgt	tccgtgagag	tcctttctgt	aagcatctgt	35520
gtatttccca	ggttaccctt	gccgagtagg	atttgggctg	attctcggtt	gcatgatgaa	35580
aggcctcctt	ccaagcctag	agctgcttgc	cagcacactc	ctcacgagtc	cttgaaaata	35640
catccgagga	gttccatcta	cttccaccta	tccctatttt	ctaagcctca	gttttcctca	35700
tctctaaaat	ggacaactgg	cagcagctgt	tccttcgtgc	tgtgaagtga	gatttactta	35760
ctcttaaagt	gccttataag	gtgttgtgtg	tgactcaaat	gtaaagtagt	attcactaat	35820
atgctagtgt	ttacctattg	ccacgggcca	ttcagaatgc	tgaagcaaaa	gccataggcc	35880
gggaaacttt	caaacagcag	ggagtcattg	cttgtgtgtt	tgaagtctgg	gcagcaaaga	35940
				100		

tcaaggtttg agcctgatct	gttttgttta	ttgaggatcc	acattctgct	tcacacagtg	36000
gggctggtgg aaggtgccag	ggatccaact	gggccttatc	ttacccagag	agagggctcc	36060
accctcactt tggaggcaag	gatttcaaca	ttaactttgg	agacataaaa	ctcagacctg	36120
ggcccttgct agaataaggc	taggccaagg	acagtttgtc	acagctactc	ctgtgcgtgg	36180
ccagctttcc tagcaggctg	gggactccac	atgtcctaag	gtgatagaag	ggtctgggtt	36240
cccagatgga ctgcttggta	attaaatctg	ttactgtctt	ctgggaggct	gcctggggca	36300
ggaggctcgt ccgataagca	tctccagtcg	gcccctgtgc	agaattgacc	attaaagggg	36360
caagtggagt gagccccaga	cattacttac	tgtcagctct	gaacgtagtc	caggcctgct	36420
gctctgggga tactgaccct	cagagagggt	cagcagctgg	gggctaaact	ccccatgaag	36480
gacggctggg ctgaaaggcc	attataagga	cttctcattg	agacggggca	tgagagccta	36540
gccctcattt cagccactcc	tccctctgct	actctgttgc	tggcctcccc	ttccaggaca	36600
gagaccacac tcttcataaa	ctgtctgttt	gtctgagtgc	actgctgcct	ctctgcctcg	36660
tccaggtctc agttcttcct	gagttcttaa	ctccgggtct	tccattttga	ctgacagctt	36720
ttccttccct ttgttttgca	tgccctgact	gaccactact	gccttgggtc	agaatgcttc	36780
cagaaagtgg ctcatcagaa	cattgtctcc	atagaccacg	ttctcgctag	cctttagaaa	36840
ttaccctctg agaaattctt	gtgagttgtc	ttgttctttt	gagtgcctcc	agttgtggca	36900
aaaaaaaaa atatatcagt	tgagagcaca	ttttattctt	tccaagaact	atgagctgtc	36960
catageetgg cetagtgact	aaaagggtgg	gtaagttggg	gaacatacat	agtcagttgg	37020
aatgatgtca ttgccattaa	atgttgtaac	tggtattctt	ttgtggttcc	aacattaatt	37080
cctaaatcac ctaccaaaat	gttagagtag	cagccgcctc	agcaggataa	gcctcagcct	37140
tctcctgaag tgactcttgt	aatggccatc	acctttttgt	gatactcggt	ataaatctct	37200
atgccattgt ttgggtccct	tcctgtagct	atagcatctg	tagagcaatg	gccccaccag	37260
ccctaacagt atctgttcag	cctatgatag	tgactttaaa	tctgcttgac	atgatggcca	37320
tgacaccgtg tgagggagag	ggggagtgca	tggtcagatc	tcagaggtat	ccgaggactt	37380
cctgcttttt gtgatgtata	ataatgggtc	ctgatgtctg	tatcaataag	aacgcaagtg	37440
attttgatat gagccaacat	tgaaaatggc	tgttttgcta	aaatgacatc	agtaacaata	37500
attccaatgt aaacatgggc	caaaaaccaa	aaacactcac	tgaggaaaag	ccctgcgccc	37560
caagctccat aaacgcaggt	tttctttatt	cctgagtgtt	tgagaaaagg	ggtaattgta	37620
tttccaacac atccttaatt	ccagattaca	tacatagtac	acccccaaaa	tcaacaaaag	37680
ggccctttaa aatcagacag	ctttgtccag	gtgtggtggc	acacagacct	ttaattccag	37740
ctcggaggca aagccaggtg	gatctctgat	tttgaggcta	gcctggtcta	cgaagcaagt	37800
tccaggatgg ccaggactat	attacagaga	aactctgtct	cagaaagaaa	aaaaattga	37860
cagctgtgta acaatggtta	gccctgggca	cataagaaca	gaattgggca	ggagtcatgg	37920
tgtcctcaga taaatcaaat	ctaaggtcag	tccgagctgg	gaccccagga	tccattttt	37980
gggggggtcg agacagggtt	tctctgtgta	gccctggctg	tcctggaact	cactctctag	38040

accaggetgg etggeette	a actcagaaat	ccacctgcct	ctgcgtccca	agtgctggga	38100
ttaaaggcat gtgccacca	c tgcccggccc	caggatctac	ttttaaggct	tttccagtga	38160
gcaatcaaga tcaagaact	c tgcagaggca	tgggttctgc	tgtgatttca	tcagttgcgc	38220
aaacaactgc taagcttg	g gtccagggac	tcttgatttt	ctccgggacc	ctgagtaatt	38280
tttcttttta aaatattta	t gtattttat	gttggatttt	gtgttggctg	tttcgctggc	38340
ctctgtgacc atgtaccat	g tccacgcagc	acccacaaag	gaagaagata	tcagaatcct	38400
taggactgga gttacagad	a gttgtgagcc	accatgtggg	tgctgggaat	tgaaccccag	38460
gtatggaaga acagtgtgt	g ctcttaacca	ctgagccatt	tctagcctga	agctgctatt	38520
tctttcacca ggcagctgt	t gtctggcagc	tccacaagct	cactgaagag	cccacctcct	38580
tcctgcttgc cttcacagt	g ccctgtgatt	tagcgtacgt	ttagatccaa	ccaacaggtt	38640
ggcccaagct ggtttagto	a gcctcgcttg	acctctcagc	cacttaacct	tatacggtag	38700
cagacatctg acttagata	c ctgatgactg	cagtcacagt	aaaagttgag	tctgctggag	38760
acagctaggc ttggacact	c gcagatgaga	aacaaggatt	gggccgagag	taggtcactg	38820
tgaatgagag catcgggad	c cactgccaca	cttacagtat	cacgtgctct	ggccaagctt	38880
tgcctgggtg agttttacc	t catagtctag	gcttctggat	cctttgattc	tactaattag	38940
atctaaaata tttggaaaq	a aattatgaat	gtggtgaata	tatacagtct	ttttttctta	39000
ttatcggccc ctaaataat	a cagcataata	gctacttata	gtgctcacat	tctaggacgc	39060
attgtaagta atcaagtg	t ttaaagtata	gatgcagatg	tgtgcaggtt	ccacacaaac	39120
actacccctt aaggactg	a gcatctttga	ctttgtcttt	gaggggtagc	cagtcgtagc	39180
tgagcgagga acggttaco	c ctggattgat	gcttctggac	agtcagttct	gttttacctt	39240
tagcatgctg cttagaaga	g cttacctcct	ttacctggga	ttaaatcttt	cagaatcatg	39300
tttgtttccc ctcagggag	a gctactgtaa	atgaatgtgg	aaaagaaaat	gctcccaccc	39360
ctagctgcag tgtggtagg	a aggactgtgc	agtgtggtag	ggaggactgt	gcagtttggt	39420
aggaaggact gtgcagtgt	g gtagggagga	ctgtgcagtg	tggtagggag	gactgtgcag	39480
tgtggtaggg agcgtgcaa	g gctacttgat	gttggacttg	atcaaacaac	acctcactgt	39540
aagtcagctc tacagcaac	g ggggctgtgt	gcgtcctgcc	ttcctgctcc	tcccagtctg	39600
aactccaata ctggcctta	c tccttgggtc	ctaggatgtc	cctaaggtta	ttgggtgctt	39660
ttccaaagac agagctgto	c aagccccaag	gactgctttg	cactgtgtct	ttctaagtct	39720
caageeteet eeetttee	a tggtgtggat	ggggatctga	gttgtaggaa	ggtctgtaac	39780
aacactggac atgtcagaa	c gatccaagag	tttccttgct	gcatggggag	aaattggggt	39840
gttgggaccc agagaagct	a ggattgagac	aagtgattta	gtctctgtag	ctcctgtctt	39900
aaagagttat tatgaaact	c aactgcagta	aaatatgtaa	aatatgtacc	taagccgtta	39960
taagggcaac attgttato	a ctcgcagtta	gcagaatcct	gcctcactgc	ctttgctatt	40020
agcaggtttg tctctgato	c tctagctaag	gactgcaggt	gtaggtgacc	ccctaactga	40080
ctgcttactt ctagagaaq	g aggcttgtgc	tgtgaccaca	ggggccagca	tggtccccgc	40140

aggccaactt	tggtgtgtgt	aaggacaggc	agccagaacc	acatttaggt	ggtgtgtttg	40200
gaacaccaca	tatgatacag	gccatctcgt	gggaacagga	gagggatggg	aaccaaggat	40260
gggaaaggaa	cttaggaaag	aaaaccaacg	tggagtaagg	aagtaccaag	tctctccgaa	40320
tcaagtattt	agggtaggat	atctttttaa	gagaagccaa	tggattctaa	tatgtaaatt	40380
gtgggacaca	ttcaataagg	ataagcaaaa	tgtggtcatt	gtaggaccca	tcttggaaga	40440
aaagtgttcc	aggaaatgaa	gcacattgtc	ggcttaggaa	gatgcccaga	tataatatgc	40500
agagccagtc	aagatcagcc	cgtgtgccat	agcctggtcc	cctcagacag	cctgcttagc	40560
gaggacggac	aggtgccatg	ccagagtcca	gatgcagctg	attctcaggg	catcgatgcc	40620
cagggtagcc	agacaatgga	tcttcaatct	gccccaatag	ttttgattgc	cagagaacct	40680
tctagggatt	ctgcacccat	tttatcctga	taagacatgg	agttttcttc	ctactttaca	40740
gatgcaggaa	ccagagccca	gagaacgtgt	tttcttcccc	agattgagat	gggtagatag	40800
cactgtggct	tcgtacaagc	tcgggcttct	gttatctgtg	ccttcatgat	aattattctt	40860
tttcttcagg	gttgctaatt	aaatgatttc	agtgttacag	atttttgtct	atttttccaa	40920
gagtcaacat	tagacatctc	tggactatgt	caagattaac	taggcaatct	aattaaaatc	40980
aagctagttc	tacagtggaa	ctggaaaaaa	aaggtagcta	aagggagtgt	acaacatttt	41040
aaaccaggga	cctgcctcag	ggtctcggcc	atctaaatgt	taaaatgttg	aagttgcctc	41100
tttccagcta	aggaaaggta	ctgcctctta	tgcgagtggg	aggaggtaat	gttttatcac	41160
tagctctgcc	actaattagg	taattgctct	aagcacagaa	cttaaccaaa	ttgggtctca	41220
gtttccaagt	ctctgaaatg	gagacaatgg	ttgcaaggat	aaaattagtc	agcctgtctg	41280
ctccctgact	ggaagggcct	atgtagctcc	tggttgtaag	accttgggaa	aacggcatgg	41340
tatgttctgg	gcctcagtgt	tcctatctgt	aaattgcaca	atgtctaccg	agccgtgtca	41400
gtaagaagag	tataacgggg	tgatatgtag	ttgtcggcgc	agtgactgaa	cgtgtctgta	41460
tcagtaagtg	tttatgtagc	tgaaggagct	tagccaaacc	cagagctctt	atgccaaaga	41520
gaacccagac	tttagctagc	ctgttcccca	caactcagcc	acgggggtag	ggggcgcgga	41580
cgggagagct	tgttcttggt	atcgttgctg	atacacggcc	tgtggtgact	gcttcacggc	41640
atagctgctc	tggatgttaa	caacgacggg	atcaggcgct	gaccctgctg	ctgtccggaa	41700
gcgtgagggc	tggtgctgag	gaggggaatt	caggatctcc	tacttggacc	tcaggagcca	41760
gagctgtggt	actccagtgc	agccattcct	cctgtgagcc	cttaaggtat	cccaccctaa	41820
ggagctcagg	attgagatat	aaaatccagg	gaccaataat	ggcccttaaa	gtctggtaga	41880
agatgcaaat	tctcccaggg	gtcaggttct	gaggggtgag	aagggtggga	tagaaataga	41940
gaggtgtggg	gtttctgaga	gctgaaaggc	agggaagggg	gagaaaggga	gacaaggaaa	42000
gccaagggga	gaggggacaa	gaaaacccat	ttccctcttt	cacaacttct	cacaaggttc	42060
tgcctgacca	tccatgttat	gtggctcttc	ctgcagtctg	gtatccaatg	gctaatccat	42120
ctgggggcct	agatggcctg	caaatgaagt	gagctctgac	gtcgaaaacg	tcgaaacagg	42180
gcctctgcct	caaatccgca	cggggatgag	aggcatgcca	gcattccagg	aatccccaag	42240

tagtgatgtt	ctgtccagat	aacgacatgc	tcaaagacag	gcagaaagga	gagcaacccc	42300
taggactggc	aacctcagag	ggtaaggtgg	catgagccag	cctggagcta	attggaagaa	42360
ggccttgaaa	gccacaaagc	acactggaċa	tctacagaag	caaataccaa	gttagtttct	42420
ttattaaaca	agcaatatat	gttatttata	gaaaacacag	gaaaatatcg	ataaccactt	42480
ggtaggccag	ggagggcgag	ctccctaact	aaccccatta	ctctgcaact	cttactaatg	42540
gctaagtgcc	tagactctgg	ggttgccctg	ccaggggcag	agttcaccta	ccagctggca	42600
gtcacgggtg	aattacttag	cctccgtggg	cctgttttct	tatctgtata	ttggagatgc	42660
taacagcagc	tactctcaca	acaatttgtg	aaatttaaag	atgctaacac	tgtactgtct	42720
gaaagagtag	ctgaactgta	tcaaaaaacc	tgtcaccatg	acgctgtgac	catcgtaaaa	42780
atgtttgcta	cttaactgca	ctccctgtgt	agcacacagg	aagtgctgtg	tgggacctgc	42840
acagtgtttt	gaggacatga	ttgccctctg	ttgcggatag	gttgtctttt	catggacaga	42900
ttgttgctaa	tgtttcttta	tagtggaatg	tgcccaggac	taaaagtttc	acataaataa	42960
atggtcacag.	tatgtcctca	cagttactgg	ttactgatgc	gacacttagg	cagcttcatg	43020
gtagaatctg	acgagttagc	aggcagatac	tctgactttt	aaacttaccc	gtgttagtac	43080
gtgatatgga	ctttgtacga	agaccgtgtt	tctttaggat	ctctggaaag	aggcaggttt	43140
gggtgtcagt	ttgtcctttc	cttcccattc	tgcaacaaag	aagagtcagt	ctggcacctc	43200
aggctggcaa	ggatggcacc	cactgcagct	accacccttg	gaggtctttg	cttctggatt	43260
gcaaatggag	gcgtgttgtc	cgcctcatgt	tctcttggcc	tttactgatg	tctccagact	43320
ctaacctgtc	gtctctcaga	tcagaaacag	ggtcttaggt	aagccagggc	tggtctgacc	43380
gtagcttctt	cgcccttctc	tttccattgg	tgccctttga	ccctgtcctc	aaactttgtt	43440
cattagttta	attaaatctt	tgctaacgct	acccacgtga	agcccagttc	tggctcctgc	43500
aagaatacag	aagaaagcaa	tttgagaaga	caccaatgcg	caaaagcaga	gtcaatacca	43560
aaaggtggct	tgctcatagc	tcccctgggc	tgagccagat	gggttcagtg	ggagaattga	43620
ctcactgtgg	gggtgagtgg	gtcactaccg	agagtgtgaa	tggatgacgt	ccacattcca	43680
ggactaaccc	ctcgtttctt	catgtaggag	cagctcagag	ctgaggaagg	agaaatcccg	43740
tgatgccgcg	aggtgccggc	gcagcaagga	gacggaggtc	ttctatgagt	tggctcatga	43800
gttgcccctg	cctcacagtg	tgagctccca	cctggacaaa	gcctccatca	tgcgcctggc	43860
catcagcttc	cttcggacac	ataagctcct	gtcctcaggt	aaggcttgac	aggtcctgcc	43920
ccaagctggc	atctacctag	gcctcgctcc	aagacacatc	tacaaatatc	cactcacaga	43980
agctggcaca	tggcctttag	tgttacattt	atttagttgc	gtgtgagggt	atgcatgtgg	44040
gtcagaggac	agcctttggg	agtccattct	gttctcttct	tccatcatct	gggatctggg	44100
acttgaactt	gggtcctcag	gcttagcagc	aaatgcctct	agccactgga	ccttcttgct	44160
ggccctgttc	cttcatttta	gcatctcccc	tctggcaatg	atcttctcat	gagttcaccc	44220
agggaagaga	ccaaggacag	actcaagtga	gagtgtgagg	tgctcccaga	gagtgtgagg	44280
tgctcccaga	gagtgtgagg	tgctccaagg	ggttggagag	ccgagagcag	cttctcctgg	44340

aagcccatcc	agtacctctg	gacctctggc	gagagtcccg	ctccacactg	tgttgactct	44400
gcaggaagcc	ttttatcctt	gtcttccagc	tacatctcta	ggacatcaga	aatggtgatg	44460
tcccttgtga	tctatctctc	agaaccttgg	tttccttgcc	tacaaactgg	aattagccag	44520
gcatactgcc	tgggaggata	ggggtaggaa	atgggggggg	gggattatta	gggcactata	44580
ggaatgagtg	gagacagcgg	ctcagctgta	ttcgttcttg	ctgggctagc	ccccgccata	44640
gaggacagcc	tcgggcacct	ctccctgctc	agccgatgcg	ttcttctttc	ccgcatatct	44700
cttcaccaac	aaacagttca	taacgaatgc	tttctttcct	ttgtcagagt	tacatccctc	44760
aaaaatcatt	tcctgttagg	cctcaccagg	aagaggcagc	ctggggtttc	cactttcaca	44820
tcctatgtgc	agtcttgtca	gacttatcag	ttctgtaagg	aaactgggca	gcatatagct	44880
gccaggctgg	cactacagca	gggcagtgtc	cgaggcatga	gcaagggagg	caggcaggca	44940
agggggaaag	agatcccgtg	gctcattttg	agttttcctg	agtgagtgtg	tcactctgga	45000
gatgactcct	tacatggcta	ttctgggaaa	gagccccctg	cacagagggg	tccagaatga	45060
ggcggggaag	ccagactagc	ctgtgctatt	ctgggcccct	gtgcacagga	aggatatatg	45120
ggaaagacct	tcggaggtta	gaatggctgc	tcatcccatc	gtcctcctct	aacccccagg	45180
ctggaggcta	agcctgggct	gcaaggctga	ggtgaccgtg	ctgttacaga	aatgagcaga	45240
gagtggagaa	agcaagggcg	gagccgctgc	acacacagca	gggcaacagc	aattactcag	45300
atttagacgg	tgaaaatggt	tgagggaagc	tcaggctaag	gacttgtaaa	gcctggactg	45360
ctaaataaaa	aggcagactc	ggaggtgtct	cacccatgcc	ccatgcatgc	cttcatttta	45420
cagaggattg	tcctcttgga	gaaatgagga	cgacagttcg	gtgatttgta	ggattttgca	45480
aagcctgtca	ggcaaaaaaa	aaaaaaaaaa	aaaaaaaaa	aaaaaagaaa	tgtagataag	45540
gggcagggag	ccaatgtcca	agtgaagcag	ctagagcctg	accaggacta	gccaggagca	45600
gtgggtggcc	aggaggttct	gagagctgtg	tcttgctgcc	gtagcaggga	cacattgtct	45660
gtgctcgccc	acacagaagc	ctgtgtgtct	tcctcgatgg	gtcgaggttg	atttgcagag	45720
ggcttggcta	gggttggatc	ttccgagctt	atctgccctc	atgtgtcctg	gtgcaacccc	45780
tcccgcactc	cacgtactac	acaaagccac	agatacaaga	gcagacacca	cacggagcag	45840
acatctcagg	agctctgagc	cttgagaaca	aggactgcct	actctctaga	cagcataagc	45900
acggacagac	cagaaccctt	ggcgcgtcag	ctatggggct	cccaggcctg	aagaaagaaa	45960
agttagagat	tgataaacaa	gttttggtca	tctggtcctg	gtgaccttaa	agaagtgctc	46020
ctgagtccag	ccacggaagg	agatgtggct	tagttctcct	tctctgccat	ttctccaggc	46080
tcctaccagg	cactctcggg	actggttatt	tccagaaatg	gaatgtaaaa	tgagcctttt	46140
cctccccacc	caccctttgt	tttagtgtgt	gcatgcgtgc	tctggagagg	ttagggaaga	46200
gcgtcgaagt	cttgcttaaa	gacttcaacc	tcccttcttt	tagacaggac	ctctcgctcg	46260
actcgaagct	cacgatttta	gctaggttgg	ctggctggca	aactcacagg	atcctgactg	46320
tgcaggtcaa	cattggggtt	ccgggcacac	acagccaacc	tgtcaatgcc	gaggactcga	46380
actcacatct	tcatgcctgg	gcagccagtg	ctcttatgca	cttagccacc	caagtggctc	46440

attgttttaa	attttcacct	attatatgca	tgtgtttgtg	gaggggagga	aaggacaact	46500
tttgggagtt	gattctccct	ccccaccatg	gatagggttc	caaccaagtt	gtcaggtctg	46560
aatagaaggc	ctttttacct	gctaagccat	cgtttcaacc	ctgaaccata	ggtctttatg	46620
ttttgtttt	gttggttagt	tggtttgggg	gttgtgtttg	tttgtttgtt	tgtttgttgt	46680
ttgtttttg	agacagggtt	tctctgtata	gccctggctg	tcctggaact	cactctgtag	46740
accaggctgg	cctcgaactc	agaaatctgc	ctgtctctgc	ctcgcaagtg	ctgtgggttt	46800
tttgtttgtt	tgtttgtttg	tttgttttat	gtgacaaaaa	gtttagagga	tctttgagca	46860
gatatcctcc	tgcactttgc	ttattggtgt	tgctgccatc	tctctcagaa	acattgtaca	46920
cagctctatc	tcattggacc	gcagagtcca	tgaaacattg	ttggatgata	tgaaagtcta	46980
gcctgttgta	caagttatag	ctttgaagta	agtctaacaa	aagaaacgat	gtaagagaaa	47040
aatcagagcg	aactctaatg	tctttggacc	caccttttag	cagttacgtg	ttacagtgtt	47100
acaacatata	ctttcccaac	tcaaaacaaa	ctacagactc	attacttagg	caagtggagt	47160
tttgtatacc	tcagagttca	aacgcctaaa	aaataccagg	cttagcgtta	gggccagttt	47220
cttctttact	tagcagcaca	cttcctttga	ttttcacagt	aggctgcagt	gtgtgggaat	47280
gttggggagg	aagcctccgc	gctgagaact	ccaggctgag	tcgggccaca	gttgagattc	47340
atatcacagg	aaacaaaccg	aaacaatagc	tttacgatac	ttgcttccac	actggcccag	47400
gaggacagaa	cacactgtgg	cgggaacatg	ggtggaaata	tcacttgatt	gtcttaaatc	47460
cagatgaacc	ctgcgctctg	gggctgaagt	ggagtcgctt	ctgcgtccca	agagctttag	47520
accgcagtaa	atgtatagaa	tgtgcattcg	ccccaattct	gatttgaggc	ttcccagact	47580
catatgtaaa	aaaatcaaat	tctcattact	gcagagttgg	agatcagcac	aaagccaggt	47640
ttctagacat	aaatgtcaag	tttatttttg	attattttga	tttgaatttg	tttatgtttt	47700
attcctggca	tttgcctagt	gaagtcacac	agtctgctca	ggatatgatt	ctccgatccc	47760
tgagacatta	aaatccagga	catggtttta	aagctttcac	catgacttct	caggaaaagt	47820
gggacaaagg	ggacagaatt	acagcagcag	atgtgatttc	tgtgccctcc	tatgccttgt	47880
ggtaagacct	gttttccctg	gttttcagcc	caattgtttt	actgtcccac	ctcccccggc	47940
cccacctata	ctcaaaatca	aggccttttc	tgtcctgttt	ggaaggaggc	cagtaagatg	48000
attcatgcca	ggatgttact	ggctgagagc	agccagcggt	cccttcaaga	aagtctaacc	48060
ttgcttatag	cattctctta	aagcaaagag	tctggccagt	cagcgacagt	cactgactgt	48120
agcgccccat	agcattttat	gaaggctagc	gcagcaagca	agggtggggg	agcaggtgtg	48180
aaaagaacaa	aataaaaatc	tccaatgctg	gacttgtggg	gcacaccagg	agagcagcag	48240
caaggccagc	tgagatctat	cactctgcag	aaagtgtgag	atagccccag	cctgctcaca	48300
gtgcggcata	aggcacagta	agtggcccac	actctttatg	tttgccgtca	gtatgcccgg	48360
aagacgcgtg	cacagccttt	gaaaggaaag	accctgcgga	gataactaag	tagcaagcac	48420
cagggaagta	ggaaacctgt	atcggagctt	gttaggaaca	aggagtttct	tgaagatgga	48480
aacatctaga	aggatcatcc	gggtgaagta	agaaagcagc	agccttacgg	ctggcacagc	48540
			_	100		

caggcctcaa	agacccagtt	agaagccacc	tgctctgcca	cctgctagtt	cacacaaggc	48600
aagtggctct	accatactgg	tgtgccaccc	aacatgggcg	gtgctgccta	aaggaaatga	48660
gcagtgctcc	ggaaaaggcc	ctccacagcc	ttctcagcgg	cacatatcct	ggcggtggga	48720
gccatcaaag	cctgtttact	ggggctattt	ttagcattaa	agaatttcgt	ggtccttctc	48780
aaaggagaca	gttcgtctat	accagttctt	tgagattcga	accctgacag	attctgggaa	48840
gcaaatggcc	aggatgtaga	acctgagcta	tttagaccac	ccagcccagt	tccttagcaa	48900
gcacctactt	tattttgtac	caatggtttg	ctctccgttg	ttatcagcat	ccccaggagg	48960
ggcttaggct	cttcgacaga	tgtcttcctg	gcagtttgtt	ggttcctgaa	ttgcaccctt	49020
ccttgcagta	tccccagctc	tccctgagac	aggactgagt	gtgtaatgag	tgctgtgagc	49080
cagggaagcc	atggaggaaa	agccttagta	actgcaggga	gggagggagg	tctggtgtgc	49140
gcagccgcca	ggcatagcag	tttttagcag	aattgtgaca	ggaggctcag	ggctctgggt	49200
gcagcagggg	gatgtctgcc	tccctcttgg	ctgggagtga	cctagccaag	ttccttcaga	49260
gactcccagg	aggacaagca	ggtgctaaaa	gagcaaatag	ttccactgaa	ggaaggggcc	49320
acacccaagc	tgggctgctc	tagggtcgca	gggaaggggt	gggggagggt	gctattggcc	49380
attgtgactt	cagtctcaag	atgttccatg	tctgtggccc	cagacaccct	tctccctcct	49440
ctctaaaggg	cagtccacct	gccactgtag	ccaatttcgc	cacctcctgg	aagtaagcgt	49500
gctggacagt	tcggaaaggc	cgcttggctg	tgccgggcct	gttaaaaaca	ggaaacttta	49560
agcagaacta	ttttctctgg	gtctagttaa	ccccgatagg	ttgtcttggg	attactccag	49620
attttgaagt	cagtgttgcc	actgagatca	aagaagctga	agtgaaaata	aattctcagt	49680
aggcctcagc	actagcctct	gtctgtctgg	agaaagtagc	cacctcgccc	tataacccaa	49740
atgcagctga	aaccttctcc	gggcatgttt	ccggggtcag	gcaccctttg	cccagactgg	49800
ctggttttcc	tgacgtgggg	gatagtcttc	agcacgtggt	ctctggagcg	acagctttga	49860
caccctctga	acactttttg	ttgatgttgt	tgttgttgtt	aaaggaagaa	aaggcacttt	49920
ttcagcttcc	ctgaattagg	aaggaagcct	gggaggaggt	agaaccttcc	agcaccaccc	49980
tgggtggggt	gcggcctcct	cgtactagcc	aggtcttggg	ctctgagctc	agcttaaatt	50040
ttcagcagag	ggttccacgt	ttttatttta	ctttgcacaa	atcccgcaag	ttgcatagca	50100
gtcctgggcc	cgccagaggt	cctggcccac	ccactcagcc	ttggctagac	ttgaactcac	50160
tatgtagacc	aagatggcct	ggaattcaca	gagatctacc	tgcctctgcc	tcctgatagc	50220
tgggattaaa	gacctgctct	aacacacctg	gttaaatcca	gatttctaaa	gcacacacat	50280
atttgacatt	aaataatgaa	caagaagagg	gcatagcctg	tggtctgagg	ataacagcca	50340
ggagccggaa	caagagctga	gcttagattg	cagaggtgga	cttggtagtc	caggacacac	50400
agagtgcatg	gttgggggta	gagttccccc	acaacgcccc	ctagtgtctg	cctcttgtcc	50460
ctcacggctt	tgtgcctcta	agttccattc	tctttcgact	attctatgtg	ctatctatcc	50520
ccggacttat	gtccccaaag	tggtgctctg	agaagccacc	tctctgcccc	ttgactggaa	50580
gagaagcttt	gggacactgg	gctcccttat	tgtcccagtc	tctgatattg	ggccatggat	50640

cttctgcctc	tagctggcct	cttgtctgtc	ctgggaggaa	ggctgtctgt	gtgtcctgca	50700
gtggtggccc	aatcctgtcc	agttgcctga	cagacctctc	tttccatact	catgtgaact	50760
cacattccag	gtgaattagc	aaattgctct	ttctaactct	atgaagaatg	gagctggaat	50820
tttgctgggg	attgtgttga	atctgtagaa	tgctttcggc	aagatggcca	ttctcactat	50880
cttaatcctg	ccaatccatg	agtgtgggag	atatttcatg	tttcctctcc	atcctatgtc	50940
ttctttttta	gagtcatctc	tcctctgact	gctggagctt	gtgctctctg	taccccttct	51000
ttggtacccc	atggtaatgt	gcgtgagggc	ttatttagct	ttgtgaggtt	gtgagccacg	51060
aactcgccac	cttggctctg	atttgagata	gtaatggtgt	cttagaggag	ggagcagatg	51120
aggtagagct	tgtagtcgtt	gatatcactt	taagcagtta	atttacttaa	ccttacaatt	51180
catgaagatg	ggaatcgcta	tcctggtttg	ctggtggagg	actccagcgt	tcaatcgtta	51240
cccaaagtca	taagcaagtg	ggaagcagat	gtaggaatag	atacaacatt	tgactccgaa	51300
gcttgtgagg	tggttgaacg	tggccctgca	cttagctcct	ggggcttcct	aacattctag	51360
acatcatagc	ctttggaaaa	atggcttgac	tcagaagtct	tgcactataa	aatgagactg	51420
caaatggtac	atgccttgtg	cgttattgaa	aagccaatgt	agagtgttta	atgctgggtc	51480
tgtctgtggt	tgatgttcca	cttacgttag	cagctaaaat	aactgctgct	gctgctgcga	51540
ggtctagcat	tctatctgta	gcctctaccc	ccagccttcc	tattggtaca	gcaaattctg	51600
ctaccacaga	aaccacgctg	tcccacagtc	attgtcaatg	tggcctgggt	gttccaccag	51660
gcatgtggca	aatgttagat	ggttggtagt	gtgcctttcc	ctgtgccctg	gagccatgcc	51720
tgtcccctcg	gtcatgtctg	ttttaacact	cgtgcccctg	ttgttcattc	ccctctctct	51780
ccagtctgct	ctgaaaatga	atctgaagct	gaggccgacc	agcaaatgga	taacttgtac	51840
ctgaaagcct	tggagggttt	cattgctgtg	gtgacccaag	acggtgacat	gatctttctg	51900
tcggaaaaca	tcagcaagtt	catgggactt	actcaggtga	caccctctgc	ctcgttcagt	51960
aggaaaaaca	tgtctttatt	tggggataga	cactaacggg	gggtcctagg	catagtctta	52020
cttgactttt	ccttatgcat	tcccatatga	tgatgacagt	ccttaggact	tcccaatgtc	52080
atggggcttg	acattccttg	tggctgccct	gacaggtctc	ttctagctag	attaacttgg	52140
caaaagtata	aatcaagccc	ttgttgccat	caacattgct	ctgatacgtc	tgtaagtcca	52200
tagacccaat	attgactgga	gactattgat	aaccactcag	ttcatccccc	tgcctgtctc	52260
tgaatgcaga	cattatccta	gcttcctctt	ggagtccgaa	tgacttcatc	actaggagta	52320
acagcatctg	gccttgcttt	tgaaacaggt	agaactaaca	ggacacagca	tctttgactt	52380
cactcatcct	tgcgaccatg	aggagatccg	tgagaacctg	actctcaaaa	acggtaaagt	52440
gttcttcttt	gtttgcattc	ttctcatgac	ccccaaagcc	tgcacaaata	gcccaaatgg	52500
attatgttcc	atagatacag	ttggactagc	ttctgggtga	gtatgcagct	gttgagatga	52560
ggcccagcac	atagaatagc	tcctaatggc	ccatccatga	tgcctgatgt	cacactacga	52620
ggtcagggtg	ccatctctag	gacatttcat	catcacctga	gatcaatcat	ctccgccaag	52680
cgacaccacc	caaaccaata	gcttcatcta	tgcctgatta	tttatgggag	ctacaggtgc	52740

cttttgtcgt	gtatcaagcc	acccaacaca	caggcttaag	caatctccca	catttctggg	52800
gattctgtgg	gcaggtctct	agctcaatgt	gacatcagct	ggattgcagc	catcaggggc	52860
taaactaggt	tgaagtgatt	aagatggctc	acctggtgtg	ctgctgggac	agtgaccaca	52920
gctctcagtc	tatggagcct	cccggtagcc	ttcttcatat	gaagactcca	gagcaaccat	52980
cttgtatgac	agctcaggcc	atgcatcttc	cttctcccct	gtaaagtgca	gctgcagaag	53040
cctacagacc	atcctaggcc	ctagccctga	aataggcatg	tcaccacttc	taaccctatt	53100
cggctggcga	gggaaaggtt	caggcttgcc	ctgtgtctca	ggtccgtgtc	aagaggcatg	53160
gcccttagga	ttaccactga	agagcagcta	tgacgggaat	gtggagattt	tcagaagaac	53220
taaaactttg	gtgctggaga	gctggctctg	tggttaagaa	tactggctat	tcttctgagg	53280
acctaagttg	acctcccagg	ttctttgact	ggtggtaggt	cacaactcca	gcttcaggga	53340
gatccagggt	cctcccctaa	cctctgcagg	tatctgcaca	aatatgccca	taaacacaaa	53400
ggtacaaact	tcagcaaatc	tttccaaacc	acacgaaagg	agccatcgct	gtaggcagca	53460
gtggcttcca	atgactggtg	agatcctctt	gaacttgaga	atctatcacc	agtctggaca	53520
gactgcccac	atcaacatct	tgtaaatctg	tcacctgtca	ctactatggg	gtgtgtgctc	53580
atccaacctg	aatagcaaag	gcagtgatgc	cacgcctgcg	aggcgtgttc	tcgttgcctt	53640
gtgtgctgca	aaaggggagg	ctttgttggc	tcacctctcc	tgttggtaca	gagtactgta	53700
atccacactc	agacttacaa	agctttgtaa	aattataacc	acctcccttt	ccaatgctgc	53760
cccagcctct	catctgcatt	gctgcttcct	atccaaagac	cttggtcaac	tggcttccag	53820
agtacatagg	ctggggacca	ccatgagttt	atttgtcttg	cctgtggtgc	caagaaaccc	53880
taggctaagc	cacccaacac	atagaatgat	tggttcttga	tggtgaaggg	gctattgatc	53940
acagacctgc	gccaccatac	ttggctttca	gaagcacttc	ctaaatcggt	gtctctcgtt	54000
gcttctcttc	tagagaacac	tgctccctgg	gttctttgtc	tcaactcaac	tgctgaccaa	54060
aacctttgtt	tgagcatctg	tgagctgaac	taagaatctc	actcctgtgc	tgttcaaagt	54120
ctttctttc	aaatcgatgg	caaaagatga	ggccaaatct	aggatctttt	tgcttttagg	54180
tttctctgac	tcatagctga	gtgtcctcca	cttatctgag	gaaaactcag	gtctttagat	54240
tcatgaatgg	ggatttgaga	tcaagcagac	tcagccaatc	agcaagtcct	tgctgaaggt	54300
ttcaggctgc	atagactcat	ggtctaaaag	caaggggtcc	gtgtggattc	ctggaagaag	54360
aaaaggttgg	gagacgggct	gtggaatgct	ttgatggtga	gtggaaagcc	tcaaactggg	54420
tcctgcaaac	agtcaaaggc	tgttgaagat	gtttaagctg	aggtgatact	atcagatgtc	54480
agaatgggga	gactccagtg	attagcaagt	taggagccca	caattacaac	ccagactatt	54540
aatcacaaat	gaatattgag	ctccctcatt	cctaaatcct	gggggggct	ctctcagtac	54600
agttataact	catcatatac	aaactccacc	taataactaa	aattataaga	agcctaatta	54660
tgggagagac	agtttataag	aacaacattc	aagctgtcac	ttaatgggtt	ctgcagaaga	54720
tgtttaaatc	cagttcaagg	atgccagttc	ttttgataca	cagctgtttt	agactgtgtc	54780
ggtcaaatca	atgttcctta	gaggtgtggg	tgcagaggtt	ggcagcttct	cttagagcag	54840
			Po.	70 100		

tgtgactact	tgttggaaag	ttctgaattg	ctctgtgatg	ctgggcctgt	ggaggccaag	54900
gatgaagatg	gcggtgtagc	cacagtttag	acaccgttgg	actcatgttt	tctgttctgc	54960
ataacaagaa	gcagaaaacc	tggacaggct	ttggagattt	gtactaaagg	aaagaagccg	55020
tatgttcctt	gtctcggtga	tttatttaat	cctaaatgaa	aggtcatcta	attgatcttt	55080
atcaagaaca	tcgttaagat	agacttgtct	acccagttcc	agttaaaaac	aaggggtgtg	55140
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	agtgtgtatg	tgtgagtgtg	tgagtgtgtg	55200
tgtgtgttca	ttcccctccc	ctccctcct	tgacatgtgt	caccttagga	ggaaactgat	55260
gaatggtaca	ttatccaaag	catagtcatt	cgaggattca	ggtaggatat	tggttgctca	55320
cattcctgag	agacaggcta	gcgagagcag	agaggagtgt	ccaaggataa	ttctaactag	55380
acagacttat	gtccttggag	caaccatggt	cactctcagg	tttcctgcta	gagacccaag	55440
gcctgactgg	ggagagacat	ctaaaactgt	ggtgtagcct	cacagetete	aggtgacaaa	55500
caggtacagt	gtgtagcaaa	catggcacag	ctcctgcctt	ccaggccttc	ctgctcctgg	55560
gaatgcagtc	acacaggagc	ttctactcag	ccatcctcca	agaaatctaa	cttctgcagg	55620
ggagcagctt	tctcccagga	gtccctccac	tgtgagtctc	caccaacctg	gtgttagctc	55680
atagtccctg	ggtgggactg	gccatcacta	gaagttttgt	aaaaaacctt	ccttgacata	55740
tttctgtcct	ctagttctga	ccacaattga	gccaggactc	aaggcacagc	aacaaaggga	55800
caccattagt	atttaagcca	tgagggcctc	tctgcccatg	gcaggctaca	cgcactctac	55860
tacaaaccac	aggagacaca	aatacaagtt	gcccagaaac	attgtaattt	ggattaattt	55920
aactggctcc	cacgcccttc	cccactcagg	ctctggtttt	gggaagaaga	gcaaagacgt	55980
gtccaccgag	cgtgacttct	tcatgaggat	gaagtgcacg	gtcaccaaca	gaggccggac	56040
tgtcaacctc	aagtcggcca	cctggaaggt	aggattcgtg	gagtctcaag	aaagagccag	56100
gagcaggagg	tgcctgaggc	ctctccctct	tctcggccgt	ctcggccttg	tcttacttct	56160
gtgctttgac	cccaggtcct	gcactgcacc	gggcaagtga	gagtctacaa	caactgcccc	56220
cctcacagta	gcctctgtgg	ctccaaggag	cccctgctgt	cctgccttat	catcatgtgt	56280
gagccaatcc	agcacccatc	ccacatggac	atccccctgg	acagcaagac	tttcctgagc	56340
cgccacagca	tggacatgaa	gttcacctac	tgtgacgaca	ggtggggtgt	tgggacaggg	56400
tgggtcttac	cagtgtgcat	ctgtgagagt	gtgacagcgc	agggacggga	ctaggacatg	56460
gtgtgggact	gctggctgca	agtt <b>t</b> gtaga	aggtagcctc	cttccatgtg	aagactttaa	56520
aatgaagaga	gctaggttag	actctaaccc	tcagttccaa	agcaactgga	cgttctcttg	56580
ggagtggggg	gcacagaaac	aataaagact	gtggacttgg	actagagaac	ctagcagagt	56640
catctgtggt	cagtgtaggc	tgctgttctt	accttcatta	aaggggagac	cacagagggt	56700
gcacaggaag	gcatgctgtg	tggttgtcag	tacatgcaag	gtttgtatag	actacaccac	56760
agttcctatc	cacttgtgct	gctgctgttg	ggatggagat	gtggaggaca	acggtgagaa	56820
cgagttgtga	tgtgcagtgg	cttgcaccag	ggtgagggaa	gccaggtgag	aggctgcact	56880
gggcgtgcat	gcctagcctg	agtgaaaggc	atcactcact	gtgcctgact	acttcaccca	56940

tcgtaagctc agc	tctgccg tgtctctct	g agcagaagat	agatcggagg	tacgccctct	57000
gcagttttca gag	gagacccc gaaagtccc	g gtgccagatc	catgacaccg	gctttgaggt	57060
gcagtggcac ttg	ggatgct tgtgcagaa	a cccaggagtg	gtcagggatg	tgggtgacag	57120
gagggagttg ctc	tgaagca ggaaaacca	a acceteacet	gccatctcct	gaaagcagaa	57180
aagagactgt aaa	aaaggagc tggcaggto	a gggaactatc	tcccagaaag	gttcatttgc	57240
tgttaatttc cat	tcattat tgtggtttg	a gtgggtttca	ggtaaaaggg	ctagccttgg	57300
gttaagggca gaa	aggggaca gtcacaaga	a atgggcagcc	taaagggaca	aagatgccat	57360
gtgcacgcac aca	gaggtac catggtgad	g tccttaggtt	ggctcagtac	ggcgggtggg	57420
gtggggttca tac	ctcacagg aaggatcct	g ggatttagag	atgtggctcg	tcgtgcacag	57480
ggagatgccg ctt	agggtgg cttaggaca	c acagtatttt	cagcatactc	ttgccttcca	57540
aggaagctga ttg	gcatggcc ggcccaacq	t gaattctgtt	ctgctaggga	gccgactgca	57600
gagggatgca aac	acagagt gccccacgo	a gcgtttaacc	gattagcaga	ttagttaacc	57660
agggtacaga tag	ggacagtt agtgaaggg	g ctattttaag	tgtttaatcc	cttggtgtta	57720
tttctcgatt gct	ttgggtt gggggagag	g cttgttctgt	ttgcatgtgt	tgagatgtgg	57780
agcagtgtgt gtg	stgtgtgt gtgtgtgt	t gtgtgtgtgt	aagaggggaa	gggagagaga	57840
gagagagaga gag	gagagaga gagagagag	a atacatacac	taacatgacc	ttctgagaga	57900
tgtgctctaa atc	cagagee tacatgtga	g agccagtgta	gagcagggct	ccccatttt	57960
actcagtgaa tta	ıtttggtt tggtgacat	c tgacacaaag	gggattgtgt	cccctaacag	58020
aagcagggaa aga	atctgaa gagaggaat	t ttgagtccac	aatcagattt	gagcgagttt	58080
gatactttcc tct	gattatg cttgtatgt	g tgtgatatgt	ttctatatat	gaatatatgt	58140
atatatgtat atg	gtatttga ttattaatt	a tgagtcagtg	aatactttaa	accctccaat	58200
agtgtctgtc att	ttcatat atgtatage	g cacagttatg	gcttagacag	tattgcttat	58260
ctgaaaatct tgg	gaactaaa ctcgtttct	c attttcgagt	ttgggggaaa	ttttgcgtaa	58320
actgtcctca agt	gaatcta gaaattcaa	c atccaaactg	ctctagaatc	tgaagttttt	58380
aagtgtaatg tag	gcacact ttgggcato	a gattttcaga	tgaagagtgc	ccgcctgtgg	58440
actgctgtgg ctc	tggcaac aggagtctt	c acttgcttgg	ccaggcaaaa	gaaaaatctc	58500
gtcttcctct ago	ecccace eteteaage	c tggcccatga	tttgcagcaa	tcctcctgcc	58560
ccagcatcct gag	tgctgag gatgtcttt	a ttgtccgagt	aattaatgtc	ctcctctgct	58620
gtgcactcaa aca	taaaagt tgcagtcto	t ctgtttccta	acattcttag	ggactaatcc	58680
atgagctgtc act	ggggaac agctgccat	a aactgttgtg	tcacggggga	aagaaacaag	58740
tcctggtgcc tga	igggtttg ggcttgaga	t ccgagcagct	tagtgaaacc	acagggaatt	58800
tgtaggacag aac	agaacgt gccattcat	c ctggaggaag	acccaagcca	ttctgaaatc	58860
ctttaaaagg gtt	gggtttt taaattcad	g tgagatgcca	tctagtggcc	aaatagaata	58920
actgtgaagg aag	ccaactc atcaagato	a ggttttctta	gaaaaatcac	atgtaatctc	58980
agtgtgattt tgt	gagtett etgtaactt	t gaaagatgta	tgaaaattat	agtaagcatt	59040

taaactcat aagtaaacc atttaaagaa taaaccacca aaaagaatt tgagagcac         59100           attttccatc aaaccatca aggacatag caaggttag gittgaagt taggaagact         59160           tgtgtataat gitcctgaa agacccacc coatacacat aattcaagt acctgaagt         5920           ctacttacaa gacttagga cictggcct tgaggacaa agaacgag cacaacaca         5920           tgagcataa tgacataag cacacacgt tatacagga cagtacta aactttagga         59300           gaaaagagt tagggat taatcaaag aacttaggaa agaagaaga cagtaagaagaagaagaagaagaagaagaagaagaagaaga							
tgtgtataat geteetgeag agaeceeae ceatacaeat aattacaget acetgtaget 59280 ctacttacag ggaettggge etetggeete tgagggeae egtacaeggg cacaaacaeg 59380 tgcgcetata tgcatacatg cacacacgtg ttatcacge cacgtactta aatetttggg 59340 gaaaaagatg tatggtggat teattcaaag aacttaggaa cagaaagac gettgagtga 59400 gagaaggett gagggeet gaaagaatg cegtgaagte etgggetget gagatggeet 59460 agcaaacagg ggaacttgee gecaageetg ggaaacegg tttgaceec agaaceagta 59520 tggacaagag tgatttgeet gacteacaag tagteetetg accacacae cacacacae 59580 cacacacaca catatggeatg tacacecaa cacacacaa cacacacae cacacacae cacacaca	taaaactcat	aagtaaaacc	atttaaagaa	taaaccacac	aaaaagaatt	tgagagcacc	59100
ctacttacag ggacttgggc ctctggcccc tgagggcaca cgtacacggg cacaacacac         5980           tgcgcctata tgcatacatg cacacacgt ttatcacgca cacgtactta actctttggg         5940           gaaaaagat tatggtggat tcattcaaag acttaggaa cagtaagaca gcttgagtga         5940           gaaaaggctt gagggccatg gaaagaatg ccgtgaagtc ctgggctgct gagatggcc         59460           agcaaataga ggaacttgcc gccaagcctg ggaaaccgag tttgacccc agaaccacac         59520           tggacagagc tgatttgctg acttcacaa tagtcctctg accacacac cacacacac         59580           cacacacaca ctatggcatg tacactcaca caaataaatg cattttaaa gaggaaatta         59640           taaagaacca taaagtgtga gccaagcgt gtgtgaagac agctagaagg tgtgtcaagt         59700           ccaagagtaa agcagactgg tttaagcaa ttcgttgaa actacacaca cacacacac         59700           ccaagggtgat tgattaataa actttgctgc tttttgtaa gggtggtatc gccttaatt         59820           acattggaag tgattaataa acttgcctg tttttgaaa ggggggtatc gccttaatt         59800           gtgcttttag aggcctgtac attgccttc tccaaacac tcaattaaa ttgactcca         59800           gttctttag aggcctgtac attgccttc tccaaacacac tcaactcaca         60000           ctgacagtat tctggaatc gccctagca tgtttgaatg tgtaataaca actactcaca         60000           ctgacagtat tctggaatc gccctagca tgttgaatg tgtaataaca actactcaca         60100           ctgttggggg ttttgccg ggactggg ggactggg gactggg tagcactgg tagcactgg actggagg ggagggggggggg	atgttccatc	aaaacaatac	aggacatagc	caagagttag	gtttgtaagt	taggaagact	59160
tgogoctata tgoatacatg cacacacgtg ttatcacgca cacgtactta antetttggg gaaaaagatg tatggtggat tcattcaaag aacttaggaa cagtaagaca gettgatgga 59400 gagaaaggett gagggccatg gaaagactg gaaagactg cegtgaagte etggggtget gagatggete 59460 agcaaataga ggaacttgce gccaagcetg ggaaaccgag tttgaccec agaaccagta 59520 tggacagage tgattgetg acttcacaag tagtcetetg accacacaca cacacacaca 59580 cacacacaca ctatggcatg tacactcaca caaataaatg cattttaaa gaggaaatta 59640 taaaggaaca taaagtgtga ggccaggggt gtgtgaagac agctagaagg tgtgtcaagg 59700 ccaagagtaa agcagactgg tttaagcaaa ttcgttgtaa aataatatg tecetttige 59766 acattggaag tgattaataa actttgetge tttttgtaat gggtggtate gcettaattt 59820 cagggtgate ttttgcaag accgtgaatg tattttggte tcatatataa ttgattcaa 59880 gtgctttaag aggcctgtaa attgcette tecagacate tcagttaggg gttaccaac 59880 gtgctttaag aggcctgtaa attgcette tecagacate tcagttaggg gttaccaac 59940 gettetttag accgtgaatg tagactctaa cgtgetetge gtgteettat gteegeteag 60000 ctgacagtat tetggaate geettagga gtacctaa gggetetge gtgteettat gteegeteag 60000 ctgacagtat tetggaatea geettgggaa atggetetge gggteettat gteegeteag 60000 ctgacagtat tetggaatea geettgggaa atggetetge gggetettat geetggagg tttgtgaa atggetetga gactecetga gaetecetga ggttatatac 60000 ctgacagtat tetggaateg gteetggaa atggetetga gactecetga gggttatata 60000 ctgatggggg ttttgtcaac ggaggtgggg gcatgaaga tagcactgg ccaggetac 60000 ctgatggggg ttttgtcaac ggaggtggg gcatgaaga tagcactgg ccaggacaa aaaatatta 60000 agaactgtta accataagage tggggtatag acttcataa accaggacata gaccatag ggggtatag acttcataa accaacaga accatetaa accaacaga accatagagg tgggggatggga gacagaggat tetggggggg gacaggaga ataacaatt gataatataa acagaaaataa aaaccaagtg tetggggggg gacaggga 60000 tacggggata aaaaataa cacaatt gataataga agcgtettg ggaaggaag 60000 tacggggata aaaagtgac agaactataa etcagaaaac ectgggeete tgaagggag gagaggga gagaatgga agaattggca agaactgga agaaccatg agagacatga agaaccatg agagatggaa agaaccatg agagatgga agagagga agaacgga agaactgga agaaccatg agagacatg agagatgga agagagga agaacgga agaactgga agaaccatg agagacatg agagacgga agagagga agagagga agaactgga agaactgga	tgtgtataat	gctcctgcag	agaccccacc	ccatacacat	aattacagct	acctgtagct	59220
gaaaaagatg tatggtggat tcattcaaag aacttaggaa cagtaagaca gettgagtga 59400 gagaagagett gagggccatg gaaagaatgt cegtgaagte etgggetget gagatggete 59460 agcaaataga ggaacttgee gecaageetg ggaaacegag tttgaceee agaaceagta 59520 tggacagage tgatttgetg acttcacaag tagteetetg accacacaca cacacacaca 59580 cacacacaca catatggcatg tacactcaca caaataaatg cattttaaa gaggaaatta 59640 taaagaaaca taaagtgtga ggccaggeg ggtgtaaagac agctagaagg tgtgtcaagg 59700 ccaagagtaa agcaagtgg tttaagcaaa ttegttgtaa aataatatgt teeetttteg 59700 ccaagagtaa agcagagag tgttaaataa acttgeege tttttgtaat gggtggtate geettaattt 59820 acattgggag tgtttaaga acttgggag tgtttagaag tagattagaag tggtttagag gggggggg	ctacttacag	ggacttgggc	ctctggcctc	tgagggcaca	cgtacacggg	cacaaacacg	59280
gagaaggett gagggccatg gaaagaatgt cegtgaagte etgggetget gagatggete 59460 ageaaataga ggaacttgee gecaageetg ggaaacegag tttgacecce agaaceaga 59520 tggacagage tgatttgetg actteacaag tagteetetg accacacaca cacacacaca 59580 cacacacaca cataggcatg tacactcaca caaataaatg catttttaaa gaggaaatta 59640 taaaggaacca taaagtgga ggccaggegt gtgtgaagac agetagaagg tgtgtcaagt 59700 ccaaggataa agcagactgg tttaagcaaa ttegttgtaa aataatatg tecettttge 59760 acattggaag tgattaataa acttgetge tttttgtaat gggtggtate gcettaattt 59820 acattggaag tgattaataa acttgetge tttttgtaat gggtggtate gcettaattt 59820 agggtgate ttttgcaage acegtgaatg tattttgget teatataa ttgattecaa 59880 gtgctttage aggcetgtac attgeettte tecagaacate teagttaggg gtatecaat 59940 gettettag accetagaag tagaactaa egggetetge gtgteettat gteegeteag 60000 ctgacagtat tetggaatea gecetageea tgttgaatg tgtaataaca actactcaca 60060 tgttgeetg aacacactgg tetgttgaa atgeetetge ggtteettat gteegeteag 60000 ctgacagtat tetggaatea gecetageea tgttgaatg tgtaataaca actactcaca 60060 tgttgeetg aacacactgg tetgttgaa atgeetetge gageteetgt agtttatate 60120 agagtttatt gaacactgg tetgttgaaa atgeetetgea gacteeetgt agtttatate 60120 agagtttatt gettggagg gtteetacac eggattagte acttetcaca tteettetea 60180 ctgttggggg tttgeetga gaggetggg geatgeagga tagacactgg ceaggetace 60240 ttetggggg tttgeeag ggggtatag acttecataa actacgggetag 60300 agaaactgta accatagage tggggtatag acttecataa actacggaata actacataa 60420 aaaatgataa gtettgaaat ctgaggtag aataactata actagggeag atteeggggt gttaaagcac 60480 tgecagtget tataaatata cagaaaataa aaaccaagtg tetgggggte gttaaagcac 60540 acaaggaagg agccagtgag aataccaat gattaatataa agaagteega 60600 tacgtggtt aaaaagtgee gagacttea cettggggetegat tetggggge 60720 agaattggea caaggagge gagacgetg gaggatgge gaggatgge geggetggt taaaaggagg agaattgge gagactggg aggatggee gagactgga aagaattgge gaggatgga gaggatgge geggetggt agaattggg gaggatgge geggetggat taacacacta aagaattgge gaggatgga caagtggg aggactgget gagactgge gaggatgge gaggatgge geggetget taaaagggg gagcacttt taacatgca cacttectt tgtgtggtt tgtatatac taggactteg tetgeteet 609	tgcgcctata	tgcatacatg	cacacacgtg	ttatcacgca	cacgtactta	aatctttggg	59340
agcaaataga ggaacttgcc gccaagcctg ggaaaccgag tttgaccccc agaaccagta 59520 tggacagagc tgatttgctg acttcacaag tagtcctctg accacacaca cacacacaca 59580 cacacacaca ctatggcatg tacactcaca caaataaatg catttttaaa gaggaaatta 59640 taaagaacca taaagtgtga ggccaggcgt gtgtgaagac agctagaagg tgtgtcaagt 59700 ccaaagataa agcagactgg tttaagcaaa ttcgttgtaa aataatatg tcccttttgc 59760 acattggaga tgattaataa actttgctgc tttttgtaat gggtggtatc gccttaattt 59820 cagggtgatc ttttgcaagc accgtgaatg tattttggtc tcatatataa ttgattccaa 59880 gtgctttagc aggcctgtac attgccttc tccagacatc tcagttaggg gttatccaat 59940 gcttctttag atcctgaagt tagactctaa cgtgctctgc gtgtccttat gtccgctcag 60000 ctgacagtat tctggaatca gccctagcca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtcctg aaacacctgg tctgttggaa atgctctgc gactcctgt agtttatacc 60120 agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttcta 60180 ctgttggggg ttttgtcgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tgtgtgtgtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tgtgtgttga actacataa actgggcagt attcggggtg 60360 tgtgtggcaag acttaaaggc tgtgtgtga aataatctag ataccataa aaaataataa 60420 aaatgattag gtcttgaaat ctgagtagtg aataactag ataccataa agaaatgcac 60540 accagtgct tataaaataa cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 accagtggtta aaaagtgcc agtacttca tcttcacca gagttcaga actccctaga 60600 tacgtgggta aaaagcagg agacagtga aataaccatt gattaatga agcgtcttg ggaaggcag 60600 cactgtgttt acatgattaa ctcagcaaac cctgggcct tgaagggggg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ccacgtgttt acatgatgaa aagaccatt ccttcctgac cattccataa aacaccac 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtataaca tgcgtaatcg 60900 ggctcccttg gtctgcctgc atgcttctga aggctctgc aatgcactgg gagcttccct 60960 cttccattct ctactttgtt tttttgagac aggctcttg aatgagctc gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatct cc	gaaaaagatg	tatggtggat	tcattcaaag	aacttaggaa	cagtaagaca	gcttgagtga	59400
tggacagage tgatttgetg actteacaag tagteetetg accaeacaca cacaeacaca 59580 cacaeacaca ctatggcatg tacaetecaca caaataaatg catttttaaa gaggaaatta 59640 taaagaacca taaagtgtga ggccaggegt gtgtgaagac agctagaagg tgtgtcaagt 59700 ccaaggataa agcagactgg tttaagcaaa ttegttgtaa aataatatg tecettttge 59760 acattggaga tgattaataa actttgetge tttttgtaat gggtggtate geettaattt 59820 cagggtgate ttttgcaage accgtgaatg tattttggte teatataa ttgattecaa 59880 gtgctttage aggectgtae attgeette tecagacate teagttaggg gtatecaat 59940 gettettag accgtgaate tagaeteta gtgctetge gtgteettat gteegeteag 60000 ctgacagtat tetggaatea geettagaa atgeetetge gtgteettat gteegeteag 60000 ctgacagtat tetggaatea geettagaa atgeetetge gatteetga gatteatate 60120 agaggtttatt geatgaggg gtteettaea eggattagte actteeteaa teegttagga 60000 ctgacagtat tetggaatea geettagaa atgeetetga gacteetgt agtttatae 60120 agaggtttatt geatgaggg gtteettaea eggattagte actteeteaa teegttagga 60000 ctgtgtggggg ttttgtegaa gaggetggg geatgagga tageactggt caaggetaec 60240 tteegggggg ttttgteega gaggetgggg geatgeagga tageactggt caaggetaec 60240 tteegggggg ttttgteega gaggetggg geatgagaga actteataa actagggaat accatagage tggggtatag actteataa actggggagt atteeggggg 60300 agaaatgata accataagge tggtgtatag actteataa actggggagt atteeggggg 60360 ttggtggaaa acttaaagge tggtgtatag aataactaa accaagge geecagaaa aaataatata 60420 aaaaggaaag agccagtgag aataacaatt gattaatga agctettig ggaaggcaag 60600 taegtgggtt taaaaatata cagaaaataa aaaccaagtg tetgggggte gtaaagcaa 60540 acaagggaaag agccagtgag aatacacatt gattaatga agctettig ggaaggcagg 60600 taegtggtt acaaggagge egaagecgga aggaatggea tggggtggta tetgeetgete 60720 agaattgga caagggggg agaaccatt cetteetgac cattecataa aacaccac 60840 cactgtgttt acatggage agaaccatt cetteetgac cattecataa acaccac 60840 cactgtgttt acaatgaca aagaccatt cetteetgac cattecataa acaccac 60840 cactgtgett taacatgeca cacttcatte tggtgtgtt tgatataac tgegtatate 60900 ggeteecttg gtetgeetga aagaccatt tetggggtgt tteteet 60980 cttecatte taacattgtt tttttgagac aggetetga aataggete gaacgactg gactteetge 60900 cttecatte taaca	gagaaggctt	gagggccatg	gaaagaatgt	ccgtgaagtc	ctgggctgct	gagatggctc	59460
cacacacaca ctatggcatg tacactcaca caaataaatg cattttaaa gaggaaatta 59640 taaagaacca taaagtgtga ggccaggcgt gtgtgaagac agctagaagg tgtgtcaagt 59700 ccaaggagtaa agcagactgg tttaagcaaa ttcgttgtaa aataatatgt tcccttttgc 59760 acattggaga tgattaataa actttgctgc tttttgtaat gggtggtatc gccttaattt 59820 cagggtgatc tttttgcaagc accgtgaatg tattttggtc tcatatataa ttgattccaa 59880 gtgctttagc aggcctgtac attgcctttc tccagacatc tcagttaggg gttatccaat 59940 gcttctttag atcctgaagt tagcactcaa cgtgctctgc gtgtccttat gtccgctcag 60000 ctgacagtat tctggaatca gccctagcca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtcctg aaacacctgg tctgttggaa atgctctga gactccctgt agtttatatc 60120 agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttctca 60180 ctgttggggg ttttgtcacc ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggggg ttttgtcacc ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgga acctacaca accatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtaata acttcataa actgggcagt attcggggg 60360 tggtgtgaa acctaagagc tggggtaatag acttcataa actgggcagt attcggggg 60360 tggtgtgcaag acttaagagc tgtgggtaa aataactag accaggaag aatacatata 60420 aaatgattag gtcttgaaat ctgagtagtg aataactag ataccataa agaaatgcac 60540 acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaagggagaa agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaga 60600 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggc gcagcctgga aggaatggca tgtgggtggt tctgcttct 60780 ctagagggga cagcatgca agaaccatt ccttcctgac cattccataa accaccac 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtaataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgctctga aggctcttg aggcagcagt tcgggggg ggctccttc 60960 cttccattc tcactttgt tttttggaac aggctcttg aatgagcac gaacttactg 61020 tttccattc tcactttgtt tttttgaac aggctcttg aatgagcac gaacttactg 61020 tttccattc tcactttgtt tttttggaac aggctcttg aatgagctc gaacttactg 61020 tttccattc tcactttgtt tttttggaac aggctcttg aatgagctc gaacttactc	agcaaataga	ggaacttgcc	gccaagcctg	ggaaaccgag	tttgaccccc	agaaccagta	59520
taaagaacca taaagtgtga ggccaggcgt gtgtgaagac agctagaagg tgtgtcaagg 59700 ccaaggagaa agcagactgg tttaagcaaa ttcgttgtaa aataatatg tcccttttgc 59760 acattggaga tgataataa actttgctgc tttttgtaat gggtggtatc gccttaattt 59820 cagggtgatc ttttgcaagc accgtgaatg tattttggtc tcatatataa ttgattccaa 59880 gtgctttagc aggcctgtac attgccttt tccagacatc tcagttaggg gttatccaat 59940 gcttctttag accctgaagt tagactctaa cgtgctctgc gtgtccttat gtccgctcag 60000 ctgacagtat tctggaatca gccctagcca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtcctg aacacctgg tctgttggaa atgcctcgc gactccctgt agtttatatc 60120 agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttcca 60180 ctgttggggg ttttgctgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctgggggg ttttgctacc ctaccaacaa cacatctcac agagaccata gatccctag 60300 agaactgtta accatagagc tggggtatag acttcataa actgggcagt attcggggtg 60360 tgtggtgaa actaagggc tgttgcttga agcaagtctg gcccagataa aaataatta 60420 aaaaggataa gtcttgaaat ctgagtagtg aataactag ataccataa agaaatgcac 60480 tgccagtgtc tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgga aataccatt gattaatga agcttcttg ggaaggcaag 60600 tacgtgggt aaaaggcca gacacttca tcttcaca gagttcagga gagaggaag 60600 tacgtgggt aaaaaggcc gcagcagaa ccagggaga aataccatt gattaatga agcttctgg ggaggaggagga 60600 cactgtgttt acaatgata ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggga cagcatgcag aagacctttc tcttcctgac cattccataa accaccac 60840 cactgtgttt acaatgataa ctcagcaacac cctgggcctc tgaagggag gagcagcgat 60720 agaattggga cagcatgcag aagaccattt ccttcctgac cattccataa accaccac 60940 cacgtgtgtt taacatgca cacttcattc tgtgtgtgtt tgtaataca tgcgtatatg 60900 ggctcccttg gtctgcctg aagaccatt tcttctcgac cattccataa accaccac 60940 cacgtgtctt taacatgca cacttcattc tgtgtgtgtt tgtaataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctg aggccagct tttgggaga cacttcct 60960 cttccattc ctactttgt tttttggaac aggctcttg aatgagcca gaacttact 61020 tttccattc ctactttgt tttttggaac aggctcttg aatgagcca gaacttact 61020 tttccattc ctactttgt tttttggaac aggctcttg aatgagcca gaacttactc 6	tggacagagc	tgatttgctg	acttcacaag	tagtcctctg	accacacaca	cacacaca	59580
ccaagagtaa agcagactgg tttaagcaaa ttcgttgtaa aataatatgt tcccttttgc 598760 acattggaga tgattaataa actttgctgc tttttgtaat gggtggtatc gccttaattt 59820 cagggtgatc ttttgcaagc accgtgaatg tattttggct tcatatataa ttgattccaa 59880 gtgctttagc aggcctgtac attgcctttc tccagacatc tcagttaggg gttatccaat 59940 gcttctttag atcctgaagt tagactctaa cgtgctctgc gtgtccttat gtccgctcaa 60000 ctgacagtat tctggaatca gccctagcca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtcctg aaacacctgg tctgttggaa atgctctgca gactccctgt agtttatatc 60120 agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttcca 60180 ctgttggggg ttttgtcgac ggagctggtg gcatgcaggat tagcactggt ccaggctacc 60240 ttctggggg ttttgtcgac ggagctggtg gcatgcagga tagcactgg ccaggctacc 60240 ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tggtggcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataactag ataccataa agaaatgcac 60540 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaagggaaag agccagtgag aataccatt gattaatgat agcgttcttg ggaaggcaag 60660 cactgtgttt acatgattaa ctcagcaaaac cctgggcct tgaaggggg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag agaaccattt ccttccagca gagttcatata accaccta 60840 cacgtgtctt taacatgca cacttcattc tgtgtgttt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctg atgctctga aggtcctga aggtcagga aggcactgg feogoc 60900 ggctcccttg gtctgcctg atgcttctga aggtcagata tcagcaccgg gtgtctcct 60960 cttccattc tcactttgtt tttttgagac aggctcttgc aatgagctca gaacttactc 60960 cttccattc ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactc 60960 cttccattc ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactc 60960 cttccattc ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactc 61020 tttttggctaa agtaactgat cagcaagctc ttggggtct cactgccacc 61080	cacacacaca	ctatggcatg	tacactcaca	caaataaatg	catttttaaa	gaggaaatta	59640
cagattgaga tgattaataa actttgctgc tttttgtaat gggtggtatc gccttaattt 59820 caggtgatc ttttgcaagc accgtgaatg tattttggc tcatatataa ttgattccaa 59880 gtgctttage aggcctgtac attgcctttc tccagacatc tcagttaggg gttatccaat 59940 gcttctttag atcctgaagt tagactctaa cgtgctctgc gtgtccttat gtccgctcag 60000 ctgacagtat tctggaatca gccctagcca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtcctg aaacacctgg tctgttggaa atgctctgca gactccctgt agtttattatc 60120 agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttctca 60180 ctgttggggg ttttgtcgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgga taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tggtggcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataactag ataccataa agaaatgcac 60480 tgccagtgct tataaataa cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aataccatt gattaatga tagcgttcttg ggaaggcaag 60600 cactgtgtt acatgattaa ctcagcaaac cctgggcct tgaaggggg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgct 60780 cactgtgtt acatgataa ctcagcaaca cctgggcct tgaaggggg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 cactgtgtt acatgataa ctcagcaaca cctgggcct tgaaggggg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 cacggggga cagcatgcag agaccattt ccttcctgac cattccatat aacacacta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgttt tgtaataca tgcgtatatg 60900 ggctcccttg gtctgcctga atgcttctga aggtcagata tcagcactgg gtgtctccc 60960 cttccattc tcactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttgggctaa agtaactga agaaccatt tcttgggatct caggaccatg aacttacct 61020 tttttggctaa agtaactga cagcaagcct ttggggtct cagcctgg aatgaccatg 61020 ctttccattc tcactttgtt tttttgagac aggctcttgc aatgacctgc cactgccatc 61020 tttttggctaa agtaactga cacgcaagcct ttggggtct cacgccagca 61020 ttttttggctaa agtaactga cacgcaagcct ttggggtct cacgcaagctc agacttactg 6	taaagaacca	taaagtgtga	ggccaggcgt	gtgtgaagac	agctagaagg	tgtgtcaagt	59700
cagggtgate tittgeaage accgtgaatg tattitggte teatatata tigaticeaa 59880 gigetitage aggeetgae attgeettie teeagacate teagitaggg gitateeaat 59940 getteettiag accetgaagt tagaceteaa egigeteege gigeteetta gicegeteag 60000 cigacagtat teiggaatea geectageea tigitigaatg tigaaataaa actaceaca 60060 tigitigeeg aaacacetigg teigitiggaa atgeetegea gaeteeegi agititatate 60120 agagitiati geatgatggg giteetaeea egigatiagie actieeteaa tieetieea 60180 cigitiggggg titigeega gageegggg geatgeagga tageaciggi eeaggeaga tieetiggggggggggggggggggggggggggggggggg	ccaagagtaa	agcagactgg	tttaagcaaa	ttcgttgtaa	aataatatgt	tcccttttgc	59760
gtgctttagc aggcctgtac attgcctttc tccagacatc tcagttaggg gttatccaat 59940 gcttctttag atcctgaagt tagactctaa cgtgctctgc gtgtccttat gtccgctcag 60000 ctgacagtat tctggaatca gccctagcca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtcctg aaacacctgg tctgttggaa atgctctgca gactccctgt agtttatatc 60120 agagttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttctca 60180 ctgttggggg ttttgtcgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgga taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tggtgcaag acttagagc tgttgcttga agcaagtctg gcccagataa aaatatata 60420 aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60540 acaaggaaag agccagtgag aatacacatt gattaatga agcggttcttg ggaaggcaag 60600 tacgtggtt acaaggaca agaccatt cttcacacacaa cctggggct taaaagcac 60720 agaattggca ctagggggct gcagcacac cctgggcct taacagagca cagcactggg aggagtggca tgtggctgat tctgctgga gagaattggca cacaggggg cagcactga agaactttca tcttcacgca gagttcagat actccctaga 60720 agaattggca ctagggggct gcagcactgg aggagtggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccatt ccttcctgac cattccatat aacacaccta 60840 cacgtgctct taacatgcca cacttcattc tgtgtgtgt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggctcttgc aatgagcca gagctctct taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggctcttgc aatgagcca gaacttactg 61020 tttttggctaa agtaactgat cagcaagctc ttggggtct cactgccatc 61080	acattggaga	tgattaataa	actttgctgc	tttttgtaat	gggtggtatc	gccttaattt	59820
gettetttag atcetgaagt tagaetetaa egtgetetge gtgteettat gteegeteag 60000 etgaeagtat tetggaatea geeetageea tgtttgaatg tgtaataaca actaeteaca 60060 tgttgteetg aaacacetgg tetgttggaa atgetetgea gaeteeetgt agtttatate 60120 agagtttatt geatgatggg gtteetacea eggattagte actteteaca teettetea 60180 etgttggggg ttttgteega ggaeteggt geatgeagga tageaetggt eeaggetaee 60240 tteetggtggt taactteace etaceaacaa eacateteae agagaecata gateeetagg 60300 agaaetgtta accatagage tggggtatag actteatata actgggeagt atteggggtg 60360 tggtggeag acttaagge tggggtatag actteatata actgggeagt atteggggtg 60360 tggtgeaga acttaagge tggtgettga ageaagtetg geecagataa aaatatata 60420 aaatgattag gtettgaaat etgagtagtg aataatetag atateattaa agaaatgeae 60540 acaaggaaag ageeagtgag aatacacatt gattaatgat agegttettg ggaaggeag 60600 taegtggeta aaaagtgete agtaetttea tetteaegea gagttetgg gageagegad 60720 agaattggea etaggggget geageetggg aggaggggat etagggggg aggagggga eageatggga eageatgeag aggaggggat etagggggg aggagggga eageatggga eageatgeag aggaggggat etaggggggg gageageggat 60780 etagagggga eageatgeag aagaeeattt eetteetgae eatteeatat aacacaceta 60840 eacgtgetet taacatgeea eactteatte tgtgtgtgt tgtaataca tgegtatatg 60900 ggeteeettg gtetgeetge atgettetga aggteettge aatgagetea gaacttaetg 60900 etteeatte etaettgtt tetttgagae aggetettge aatgagetea gaacttaetg 61020 etteeatte etaettgtt tettttgagae aggetettge aatgagetea gaacttaetg 61020 etteeatte agaactgaa eageaette tetgggatetg eetgetatee 61020 etteeatte eageaetgg eageaetge eetgeaete 61020	cagggtgatc	ttttgcaagc	accgtgaatg	tattttggtc	tcatatataa	ttgattccaa	59880
ctgacagtat totggaatca gocotagoca tgtttgaatg tgtaataaca actactcaca 60060 tgttgtoctg aaacacctgg totgttggaa atgototgoca gactocotgt agtttatato 60120 agagtttatt goatgatggg gttoctacca oggattagto acttotcaca ttoottocaa 60180 ctgttggggg ttttgtogac ggagotggtg goatgoagga tagoactggt ocaggotaco 60240 ttotggtgta taacttoaco otaccaacaa cacatotcac agagaccata gatoccatag 60300 agaactgtta accatagago tggggtatag acttoatata actgggoagt attoggggtg 60360 tggtgtgoag acttaagggo tgttgottga agaagtotg gocoagataa aaatatatta 60420 aaatgattag gtottgaaat otgagtagtg aataatotag atatocataa agaaaatgaco 60540 acaaggaaa agocagtgag aatacacatt gattaatga totgggggtc gttaaagcac 60540 acaaggaaag agocagtgag aatacacatt gattaatgat agogttottg ggaaggcaag 60600 tacgtggota aaaagtgoto agtactttoa tottoacgoa gagttoagat actocotaga 60720 agaattggot ctagggggc goagcacac cotgggooto tgaagggga gagoagcgat 60780 cactgtgttt acaatgata actoagcaaac octgggooto tgaagggag gagoagcgat 60780 caagagggag cagoatgoag aagaccattt octtoctgac cattocatat aacacaccta 60840 cacgtgotot taacatgoca cactocatto tgtgtgtgtt tgtaataca tgogtatatg 60900 cacgtgotot taacatgoca cactocatto tgtgtgtgtt tgtaataca tgcgtatatg 60900 ggotocottg gtotgoctgo atgottotga aggotocttgo aatgaccatgg gtgtottoct 60960 cttocattot otacttigtt tttttgagac aggotocttgo aatgagotca gaacttactg 61020 ttttggotaa agaacctgat cagoaagcot ttgggatoc cactocatac gaacttactg 61020 ttttggotaa agaacctga cagoaagcot ttgggatoc cactocatoc cactocatoc 61080	gtgctttagc	aggcctgtac	attgcctttc	tccagacatc	tcagttaggg	gttatccaat	59940
tgttgtcctg aaacacctgg tctgttggaa atgctctgca gactccctgt agtttatatc 60120 agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttctca 60180 ctgttggggg ttttgtcgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tgtgtgcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60540 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctggggtc gttaaagcac 60540 acaaggaaag agccagtgag aataccatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccatt ccttcctgac cattccatat aacacaccta 60940 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatct cccgctatgc cactccatc 61080	gcttctttag	atcctgaagt	tagactctaa	cgtgctctgc	gtgtccttat	gtccgctcag	60000
agagtttatt gcatgatggg gttcctacca cggattagtc acttctcaca ttccttctca 60180 ctgttggggg ttttgtcgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tgtgtgcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60480 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aataccatt gattaatgat agcgttcttg ggaaggcaag 60660 tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggc gcagccatgg aggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctg atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattc ctacttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cactgccatc 61080	ctgacagtat	tctggaatca	gccctagcca	tgtttgaatg	tgtaataaca	actactcaca	60060
ctgttggggg ttttgtcgac ggagctggtg gcatgcagga tagcactggt ccaggctacc 60240 ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tgtgtgcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60480 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctggggtc gttaaagcac 60540 acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtacttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtgggtgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttcta aggtcagata tcagcactgg gtgtctcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatcta cactgccatc 61080	tgttgtcctg	aaacacctgg	tctgttggaa	atgctctgca	gactccctgt	agtttatatc	60120
ttctggtgta taacttcacc ctaccaacaa cacatctcac agagaccata gatcccatag 60300 agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tgtgtgcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60480 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aataccaatt gattaatga agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggt gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccatt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatct cactgccatc 61080	agagtttatt	gcatgatggg	gttcctacca	cggattagtc	acttctcaca	ttccttctca	60180
agaactgtta accatagagc tggggtatag acttcatata actgggcagt attcggggtg 60360 tgtgtgcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60480 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60660 cactgtgtt acaagataa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtgggtgat tctgctgtct 60780 ctaggaggga cagcatgcag aagaccatt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctg atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctacttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 tttttggctaa agtaactgat cagcaagctc ttgggatctg cactgccatc 61080	ctgttggggg	ttttgtcgac	ggagctggtg	gcatgcagga	tagcactggt	ccaggctacc	60240
tgtgtgcaag acttaagggc tgttgcttga agcaagtctg gcccagataa aaatatatta 60420 aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60480 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	ttctggtgta	taacttcacc	ctaccaacaa	cacatctcac	agagaccata	gatcccatag	60300
aaatgattag gtcttgaaat ctgagtagtg aataatctag atatcattaa agaaatgcac 60480 tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtacttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattc ctactttgtt ttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	agaactgtta	accatagagc	tggggtatag	acttcatata	actgggcagt	attcggggtg	60360
tgccagtgct tataaatata cagaaaataa aaaccaagtg tctgggggtc gttaaagcac 60540 acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttcta aggstcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	tgtgtgcaag	acttaagggc	tgttgcttga	agcaagtctg	gcccagataa	aaatatatta	60420
acaaggaaag agccagtgag aatacacatt gattaatgat agcgttcttg ggaaggcaag 60600 tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	aaatgattag	gtcttgaaat	ctgagtagtg	aataatctag	atatcattaa	agaaatgcac	60480
tacgtggcta aaaagtgctc agtactttca tcttcacgca gagttcagat actccctaga 60660 cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	tgccagtgct	tataaatata	cagaaaataa	aaaccaagtg	tctgggggtc	gttaaagcac	60540
cactgtgttt acatgattaa ctcagcaaac cctgggcctc tgaagggagg gagcagcgat 60720 agaattggca ctagggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	acaaggaaag	agccagtgag	aatacacatt	gattaatgat	agcgttcttg	ggaaggcaag	60600
agaattggca ctaggggct gcagcctggg agggatggca tgtggctgat tctgctgtct 60780 ctagagggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	tacgtggcta	aaaagtgctc	agtactttca	tcttcacgca	gagttcagat	actccctaga	60660
ctagaggga cagcatgcag aagaccattt ccttcctgac cattccatat aacacaccta 60840 cacgtgtctt taacatgcca cacttcattc tgtgtgtgtt tgtatataca tgcgtatatg 60900 ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	cactgtgttt	acatgattaa	ctcagcaaac	cctgggcctc	tgaagggagg	gagcagcgat	60720
cacqtqtctt taacatqcca cacttcattc tqtqtqttt tqtatataca tqcqtatatq 60900 qgctcccttq qtctqcctqc atqcttctqa aggtcaqata tcaqcactqq qtqtcttcct 60960 cttccattct ctactttqtt tttttqaqac aggctcttqc aatqaqctca qaacttactq 61020 ttttqqctaa agtaactqat caqcaaqctc ttqqqatctq cctqctatqc cactqccatc 61080	agaattggca	ctagggggct	gcagcctggg	agggatggca	tgtggctgat	tctgctgtct	60780
ggctcccttg gtctgcctgc atgcttctga aggtcagata tcagcactgg gtgtcttcct 60960 cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	ctagagggga	cagcatgcag	aagaccattt	ccttcctgac	cattccatat	aacacaccta	60840
cttccattct ctactttgtt tttttgagac aggctcttgc aatgagctca gaacttactg 61020 ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	cacgtgtctt	taacatgcca	cacttcattc	tgtgtgtgtt	tgtatataca	tgcgtatatg	60900
ttttggctaa agtaactgat cagcaagctc ttgggatctg cctgctatgc cactgccatc 61080	ggctcccttg	gtctgcctgc	atgcttctga	aggtcagata	tcagcactgg	gtgtcttcct	60960
	cttccattct	ctactttgtt	tttttgagac	aggctcttgc	aatgagctca	gaacttactg	61020
cactggcccc acccactggc tccacccact ggccccaccc actggccccc agcatttgcc 61140	ttttggctaa	agtaactgat	cagcaagctc	ttgggatctg	cctgctatgc	cactgccatc	61080
	cactggcccc	acccactggc	tccacccact	ggccccaccc	actggccccc	agcatttgcc	61140

ccacccactg	gcccagcact	gggcttgcag	acatcttctg	ccatgcagca	ggctgaggct	61200
ggggatctga	actcagatct	ttatgcttgg	atagtgagca	ctttgagcca	tttcctcact	61260
cgtgcttgta	gactatctcc	agaacaaaga	gcagttgtgg	acagtgaata	aatcacctca	61320
gattttacct	tcacgcctca	ctctgaaggc	caaagccaga	gtctggtctg	acttcagaac	61380
aaagataccc	ttcttccatt	cattgtctgt	ttcctctctt	tcttcctctc	ctgcctcctc	61440
ataggcttgc	tccgtcctct	ttggagtctc	acttctttat	ctgcttgtta	ttaaagcatg	61500
cactcggtcc	ccagctttga	aatccgacag	atctttttac	gtttccccct	cctctcgtgc	61560
agtctcgagt	tgacttttaa	gtttacgggt	gaccccaaat	gattcttctt	ccagcgagtc	61620
aaggatctct	aattatgaag	agcaaagtgg	tccctctccc	ctgatggaga	gcacggatgg	61680
cactcttatc	tgccgcagcc	agggaaatga	gcagggaagg	ccccgggggc	cataacagcg	61740
agtctataaa	caagttcggt	tccttaacct	ccctatggcg	tcggtgtgcc	tgcggatggg	61800
ggcaaacggt	cattagctgt	aacttggggc	ttcctggctt	tgtgaagtct	tgagaacccg	61860
catggtctgc	gattgtgttc	gggccgtgcg	catttcccag	ttttttactg	tagtctgttt	61920
aaaggaatga	agagggaaac	attaaatatt	tattttggct	gacaagataa	ctgaaagctg	61980
ctagcgggaa	gataactggc	aagtctgaaa	tctgggtttg	tttgtcttct	agaacatgcc	62040
cattgtgtgt	ctttgaaagg	atgatacggt	cattaggcaa	aaacatctta	ttatgaggtt	62100
gattataata	tttactcgaa	gccttttgat	ggcaagatcc	taatcgtgaa	aggaaatggg	62160
atttcttcag	gaaagatgat	cacatccttc	ctagaaggcc	agtggtaaaa	gtttgtagaa	62220
aattttgcat	cggctcagtc	cggctggcaa	gtgagcaacc	ctgtgagtgg	ctctgctgtc	62280
cctggttctg	gttctgattc	ccagggagtt	tgaggtgcag	ttggcttctc	gggaatgctg	62340
tatggctagg	tacaggcatt	gctccactcc	tcattccccc	cagctttata	tcagcgggag	62400
tgtctgtggg	taccagetee	agggtccgaa	atcaagtggg	gacaaatcct	cttgtggtaa	62460
ggatggccag	ctggcactag	tgctctgcca	gcctcacagg	actgaattag	ccatacttag	62520
aggttatgtc	agtgggccta	acctttgctc	tgcaaagact	tgggcctcca	gcatcgcgtc	62580
tggtcagaaa	acttgccttt	tctctgctaa	cataagagca	ggtagtatac	agaatggaag	62640
ggcagactga	agactgtgat	gagctgctag	aggtgctcct	gtgggtacac	acatgtgcac	62700
gtacgtgtaa	acacatgtga	acacgtgtgc	actgagatgg	ttaatcatgc	ttaaggaaag	62760
tagatcgtga	cccgggttcc	taagtggggc	tggattgtca	gcatgacttc	cctcactgtg	62820
gggaggcagg	aggagaaggc	ccacggtgta	agagtccagt	acatccttcc	tagggcccgg	62880
gcacatggcc	tttaggcctc	tgcaagagaa	gaaggaattg	gagggggttc	ggtggagaag	62940
gagaggcctg	cggtgactct	gggagagaaa	ctggttgcag	atggctggtg	gggagagtac	63000
atgacaccct	gcaagttagc	tgaaaatcag	atttcttaca	agcaaagact	ggattctggg	63060
gagatctaga	accagggcag	tttgccccag	ccaagagagt	agctggccta	agacgagtag	63120
ctggcttgag	aaggactggg	tctaacagcc	acatgccatt	acgattggat	ggaatgaata	63180
cagagacagt	cactcgagca	agcagagctt	tttattttcc	ttgtccttag	cctctgtcca	63240

gagggcacag	aacacagctg	tgccccaagg	cagtgtgctc	caaggaggat	ggtcataccg	63300
agctgctccc	gtcagctctg	gcttgtgatg	agcaaagtgt	gaggcatcta	cgatagagga	63360
ctcgtgggac	tcacagcaga	atgacatgcg	actcacaagg	tggccggtgc	agtgattcta	63420
gggcaggctt	ttgttcactt	aaatgtctcc	acacagaaag	cttccatgcg	tcttcgtggc	63480
tctctccata	ttggcttttt	cctgtccagt	tctcaaccaa	aactagacca	tccagaggga	63540
acacatctac	acgcggcgca	ctcatgccat	tttctggctt	cgctgcttgt	ttacctgcca	63600
ggactgattt	ttatgttgct	tccccttagc	agcctctgtc	cttctccctc	atggagatgg	63660
gaagagacaa	gctgctggag	acacatctag	ggtcatagat	ggcagctgag	cagcatccag	63720
gggtgacacc	ggagagaaaa	cttcctccct	ggctcttcct	cgccttccct	tctgggacac	63780
aggatttcca	tctaaacatt	cctcagcttc	aactagaatg	agcttgagat	gctagctagg	63840
aggcctcagc	gcttgttcct	gtctgaactg	ggcacttgtg	tggccatcaa	gccaattctg	63900
tcctctctca	gatctccact	tacacagatg	aactgggagg	tggagccatg	tgacccctcc	63960
tgaccccagg	acctcttaga	tactaggcag	tagagtcctc	tgagatagaa	cttcaggaag	64020
ggcaggagag	tgggggacgg	gggcagatcc	acagttgcag	ctgagtctga	tgggttttt	64080
ttaaattagg	tatttatttc	atttacattt	ccaatgttat	cccaaaagtc	ccccacacgc	64140
tcccacttct	tggccctggc	attcccctgt	actgaggcat	ataaagtttg	cacaatcaat	64200
gggcctctct	ttccagtgat	ggccgactag	gccatcttct	gattcatatg	cagctagaga	64260
catgagctcc	ggggttactg	gttagttcat	attgttgttc	cacctatagg	gttgcagatc	64320
cctttagctc	cttgggtact	ttctctagct	cctccattgg	gggggccctg	tgatccatcc	64380
aatagctgac	tgtgagcatc	cacttctgtg	tttgttaggc	cccagcatag	tctcacaaga	64440
gacagctata	tctgggtcct	ttcagcaaaa	tcttgctagt	gtatgcaatg	gtgtcagcgt	64500
ttggaagctt	attatgggat	ggatccctgg	ctatggcagt	ctctagatgg	cccatccttt	64560
cgtctcagct	ccaaactttg	tctctgtaac	tccttccttg	ggtgttttgt	tcccaattct	64620
aagaagġggc	aaagtgtcca	cactttggtc	tttattcttc	ttgagtttca	tgtgtttagc	64680
aaattgtatc	ttatatcttg	ggtattctaa	gttcctgggc	taatatccac	ttatcagtga	64740
gtacatattg	tgtgagttcg	tttgtgattg	ggttacctca	ctcaggatga	tgccctcctg	64800
atggggtttt	gcttgagtaa	agaaatggtg	tgatgaggtg	tgacgatact	tgatacattc	64860
accttagatc	ctgaagtctc	tgatcgcatg	ctgtgccaag	gctgtttggt	cttttgtcct	64920
cacctgctgc	ttccttttta	attcagaatc	ttggaactga	ttggttacca	ccccgaggag	64980
ctacttggac	gctctgccta	tgagttctac	catgccctgg	attcggagaa	catgaccaaa	65040
agtcaccaga	actgtgagtt	cctagatacc	ctgtgtcctc	gacgtctgcc	cttgagggta	65100
tgattgacaa	gacacggcct	tggttacttc	ctcccagagt	taccatcttg	ggtggcagat	65160
aaggtagata	ccttcaagat	ggtcagagac	tcaccgatgc	caccagcccc	taaatggcgt	65220
ttatgcaaat	taagaaaaag	actcttgagt	cctcgcagat	ggttaacatt	ctatgcaacc	65280
ctcaggggca	gtcttgaaga	gcagctaaaa	gtgggtgtgt	aaccagcttg	gggctgcact	65340

agatcggcaa	gcacctcggc	atagaagagg	gcctgggaag	gttccaacga	gagttggctt	65400
gcactgaatc	agtttccatg	gtagagagga	tggggctaac	cagaggaaga	ggtaagagag	65460
ggggctgcct	gtgcagcagc	acactgtgtg	catgcgggag	agcctgcaca	gcgaaggagt	65520
tcaggaacag	agctgtccag	tagtagagcc	tctatcacag	aaacatcctg	tgccttcata	65580
ggccacacaa	gacctaggta	gtacttgcag	tgtgtctggt	gcattgagaa	atgtctttaa	65640
acttaagttt	taaatgattt	aagtagcttt	tcttggcact	tggctacctt	attggactga	65700
gtggttctgt	ggtgttccct	tggccacgtt	tccaattcgg	tctttccatt	tatggatgct	65760
ccagggtaat	tttgaatacg	taaaacccat	caacatgtaa	gaaactggac	ttggtcctct	65820
gaggactagg	gattggtaga	cttgatctct	accctaagga	gtctttgttt	tggaagaaaa	65880
gggagcctgg	ctcccagaaa	ctgggtgacc	tttaacctta	gcatctctca	tagcatcgtg	65940
gtaatacaaa	cagcaggtga	atgataatct	cataaacaga	ctatatttag	gaaagagatc	66000
atccaagcag	gacactggta	cagacagggc	tgccgagggg	ataggctagg	agtcttcaaa	66060
taggaaaccc	tgagaagcca	cctagcagcc	atactggcaa	tgtaggaaac	agaagtgtag	66120
ctttctgttc	caagtctgat	tctgcccgac	actcctctgt	ttacagtcgg	gagagctcga	66180
gctcagcttc	actaactgtg	cagcaactcc	acaagctgtg	cacagcatgg	gggggggga	66240
gggagagaga	gagagaga	gagagggagg	gagggaggga	gggagggagg	gagggaatat	66300
gagaattcaa	actcacccct	ctgtttcctc	cctgggagct	ttgggtttca	tctgatctaa	66360
taatacagca	ggggccatta	tggcatctca	gacaagtctc	ttactgtctc	tctggcataa	66420
aaacaaaaat	atccaaatag	actaccccag	gggtggcagg	acactccctg	atgctctcag	66480
ggagatgacc	cagccagaga	ctccaaggta	tggtgtcagc	cttctcttgg	agggccccca	66540
atgcttttgt	gctccctagg	ggttccccac	ccccaaggcc	gattggtaga	gacacacaac	66600
tgtattctgc	tcagctctgg	cctagctcac	cagctagtgt	ctctgggtct	ggcttccttt	66660
tttttcttgg	ccttctaagc	caatggggtc	tgtcaacaca	gccgggaaaa	tatcttcatt	66720
ttaagtacct	gggaattctt	ggagggtagt	gttatacttt	gtctcctggg	gagggccgtt	66780
agagagctca	gtggccatgt	ggaaagaaga	cggctccctg	tttagagctc	cctcatctat	66840
aaagagggat	agcaaggaag	ctggtcctac	cggtttgcag	ctgactcctg	ggggaaatac	66900
gttggaaaaa	cgttttggtt	ggatattgtt	tttacttaat	ccatatattt	aaccccccag	66960
cacacctaag	gataactcac	agtccaaata	gaaagtacag	actcttgatt	ttctgggttt	67020
tgtttatttt	tttcccccag	tggagttagg	aaaagctgcc	ctgagcacag	aggcctgtat	67080
ttaaccaaga	ggcctgcatc	aagcaaagtc	tttccgccct	atccccctac	aagtacagtt	67140
ccattctaga	tcccctgcca	gtgtgtgggg	tctctgattc	accatgtgtg	tcacagcttg	67200
tgtgtgtttc	ccatccaaac	gcctggagaa	gctccgtcct	cagccagatt	tagataattg	67260
aaagtcatca	tttccaaatg	ggctaataat	ctatacactg	tcactctcag	aggggaagag	67320
ttgggctggt	ttctctttgt	tgtgctctta	ggaaaacaag	attaaaggcc	ataaaaagcc	67380
tccctctctc	tcctggagtg	gcaggccctt	caccaaggct	ggcattaatg	agaggaatgg	67440

gagtggtgtg	acttagaggt	gactgataca	gcaggcccgc	gcctgcactt	aacagaagtg	67500
cagctcaaac	ctccgctcag	cgaacttctt	cgtgaaaaag	actaagaaca	ctgaatgtgg	67560
caagcaataa	gaactatgta	aatgagctaa	ttccaggctt	gatgtcatgc	aagaattgcg	67620
tcactgcagc	caggtggcct	ccatgtcacc	cagaaagcga	cagcagaaaa	gataaaggtt	67680
ccttctctgg	ccaaggagtc	catgatggtt	aacaacatgg	ccttagcccg	tttttttt	67740
ttttttttt	ctcacttctt	tctggctcaa	cataatgtag	tcagagagga	tccatggccc	67800
ctggaatcaa	aagaccgatg	atctaaacac	tatgactgtt	attctgtgca	aagtgaagca	67860
aacacagcct	tcctaggctg	cgtttccttg	tgttagaggg	tgctgtctct	cctccctcct	67920
gcacaggagt	ccatttaaaa	gattagatga	agataagaca	atcaaagtgg	caaaacaatc	67980
tgactacttc	tgataataaa	aacatggtct	tcagcagata	atctagaagt	ttcttacctt	68040
gttacacccc	catgaaaaag	aaagccacgt	tcttttggat	gtggatttgg	atacagatgt	68100
ctattgcact	tttattcaca	acgggaaact	caaacatcca	ggtcaaagga	ataaactggc	68160
catggtacac	ccagggagac	acttctctcc	cacgaatcac	agaaacaccc	acaacctcag	68220
gaacacgatg	ctcaaggata	atgaagccaa	actcaagaaa	gtctactccc	atagacgtct	68280
agaaaggaca	ggagacggtg	ccggggaaag	atcggtgatc	gtctggaatc	agaagtcaga	68340
actaggagga	ggagttaggc	acgtgggcca	tggggcaggt	tcagatgaag	tttttggtcc	68400
ctctgctgtg	gtgatggcta	cttaggtgtt	tacgtttgtc	aaaactcact	gtactatatg	68460
cgtgaaatag	ttacctctcc	atgggattaa	ttaaaattaa	ttaattaaaa	ttaaaattaa	68520
ttaaaataca	ataaagcttg	ttgtagagag	gaaaatgtgt	ctaatctaga	ctctcaagcc	68580
tgagactgtg	caagctggca	atcatgttta	gccaaaggac	tctttcaagg	gctgcagtcg	68640
ctgtcgatgg	gaagcaggag	tttcacacac	tggtaaccca	caccaagcaa	ggcagccatg	68700
acactgaact	ccacaggtgc	actatgtaat	gactgtcaca	gggacttgaa	tttacctctc	68760
aaggcagcgg	tggctctgct	gagcaatgcg	cacatgtaat	tctccatcat	tcctgctcct	68820
cgctgctgtg	tgttaagata	tccaagaggg	taagatgtgc	caaggcagaa	ggactgtgac	68880
tggtgtgact	atgaacaagg	ccatccctca	tcagaccatg	caggactgat	gaggtggccc	68940
acgagctgac	tggtagatcc	aaggagactg	cctacaggga	acatagctgt	tctctcctag	69000
aaccccagga	caattgccgt	aaacaattcc	tagtaacata	actggcacag	tacctaagca	69060
ctaggcattg	atagcttgtg	gaagaggaaa	ttcctaaaca	gtgtttgtgt	agccgatgag	69120
gcaggcaagt	ccatttgatc	tgcaaacagc	agtagccttc	tggacagtta	gaaatgacag	69180
tgatggacat	gagaggaaac	cacaccagga	ttgttactta	cccaaagtcc	ccaagccagc	69240
aagacttcct	gagcctccca	tcattcctct	tcagttctct	gtgacctggg	cacttctggg	69300
ctggagctct	gaacaatcat	ttggaggggg	gggggggtga	aagtcagtgg	acagtttaag	69360
aagctaacag	acatttctaa	aatcagcaga	catgactgaa	aaggagccct	tgagagctct	69420
ttcacaaaaa	taaaaatgca	tttggaaatg	gggaagaaga	caaactagtg	tgtgggacac	69480
cccttggtgt	ttttagactg	tgaaattgac	tacttagaat	ggcctaggag	aggaaagaaa	69540

	•				
ctctaagctg gcagtctc	ac ggggcagttg	gcaagtttaa	agaccttcca	gtggctgagg	69600
ccctgaatta acagtaca	gg cctttcccta	ctccagataa	atagagcagt	agtttctctc	69660
aaattgtatc tggctcct	aa ggtagcagaa	agttcaaggg	acacaaagtt	taaaaaacaa	69720
acttcagctg ggtcttgt	ga cacagetett	gagttgagtc	ccagttattc	agggggctaa	69780
ggcagaagaa tggtttaa	gg cccgcctaga	cttcagaggg	agttcaagga	caacctgact	69840
aatgcatcaa aataacag	aa aggactgggg	ctggagctcc	gtggacgagc	acttgcccag	69900
ccctgttctg tcctccac	ag tcagggaatg	ggacggggct	gcagccctgc	ggtccacctt	69960
ccagatgtgg tctgctac	ct tcaggaggtg	aagtcagtag	ggtgctgctc	cctggttgac	70020
tgggagtcac tcctgcac	tg ggcaggcaaa	catctgcttt	ccttcagaac	tcctattccc	70080
attttttgaa acgaagag	tt ggctgaaatg	atctcccct	ccccaaccc	tctcactgtt	70140
cctggccttg gcatccat	ct ggcagctctg	tccatccccc	tccccgggca	ggtgacactt	70200
cctgtggggt tagagtgt	gt gctgcacacc	actcctgcac	ctctcttacc	tctggctcct	70260
ttcttcacta gtgtgcac	ca aggggcaggt	ggtatctggc	cagtaccgga	tgctagccaa	70320
acacggagga tatgtgtg	gc tggagaccca	ggggacggtc	atctacaacc	cccgcaacct	70380
gcagcctcag tgtatcat	gt gtgtcaacta	tgtgctgagg	tgagtcgagg	agggagcagc	70440
cagcctctcg ggaccctg	gg cagtacctcc	acatgctggc	tgtggtgtgg	atccttctaa	70500
ctgggagggc tctatatt	ga ggtcttagga	acagagctct	agcgtgtttc	tttttcattt	70560
gtcagctatg gtatcatg	tc tctgacttgt	gctgaggggg	gagaagatgg	catagagtaa	70620
tgcttgatgt tgtgtgaa	tg ggagacagtg	ctctcctggg	taagctgttt	tgggaagatg	70680
tggatgttat accetete	cc ctccacccct	ggaaagacta	tgagcggctg	ccattgataa	70740
tatgaaggaa actaacat	ag gaatccagga	cttttgtgtg	cctacagctt	gagcacaggg	70800
agcgagcgaa cagcccac	ag gttgaggcta	acctcaccgt	ctctgcttct	gtggctcaca	70860
gaattggatt gtttgtgt	tt ctgcctaaca	cttctctgag	aggtttatct	accaggcttc	70920
tgacatgtct ggggcggg	ag agccaaaggc	ttttgctaaa	agatgcagat	actctgagcc	70980
gctctctctt cccatcag	tg agatcgagaa	gaacgacgtg	gtgttctcca	tggaccagac	71040
cgaatccctg ttcaagcc	ac acctgatggc	catgaacagc	atctttgaca	gcagtgacga	71100
tgtggctgta actgagaa	ga gcaactacct	gttcaccaaa	ctgaaggagg	agcccgagga	71160
actggcccag ttggcccc	ca ccccaggaga	tgccattatt	tctctcgatt	tcggtgcgta	71220
cttcctagcc ctggttga	ac ccacagaacc	ctcatggact	ggcggacagt	tcttattata	71280
		cccacggacc	ggoggaoage	coccyccacy	
acaagcctcc ctggccac	ag cttccctaaa				71340
acaageetee etggeeae tgtgegtggt eaggttet		ccacagatgc	actcgggcct	tgctgatcac	
	gc taggtagaga	ccacagatgc	actcgggcct	tgctgatcac	71340
tgtgcgtggt caggttct	gc taggtagaga aa gaggtaggca	ccacagatgc agaagcacag aggagagggc	actcgggcct actcatggcc tccctctcga	tgctgatcac actgagttat ggggcccatc	71340 71400
tgtgcgtggt caggttct	gc taggtagaga aa gaggtaggca tc tgagttgagg	ccacagatgc agaagcacag aggagagggc cgtgtgtctc	actcgggcct actcatggcc tccctctcga agggagtgtc	tgctgatcac actgagttat ggggcccatc ctctaactta	71340 71400 71460

ccttttggtc	ctgagctctc	ctctgacacc	cggaactgtc	cagggagagg	cctcttccgg	71700
tctgcaccct	ctccagccca	gctctgactg	ctcccctttg	caatcaaatc	cccctttgat	71760
aatgtgcatc	tgagaggcca	caggaaaatg	gacacctcag	agaaccagaa	agggcaatga	71820
gccctcttgc	acgagataac	cttgtaaccc	cccagctcca	tgttggtact	gaggcaaatg	71880
gcccaattct	cctctgataa	cttcctcagc	tctgttctgg	aaggctctgc	aggaaacaac	71940
tgcttctatc	tagtaagctc	ggtctctgaa	tgccaaatgc	tgctggagat	tgctctcttt	72000
ataggaagtc	cccagattga	atcatagttc	tggtcctatc	taggctccac	agtactgagg	72060
gtgtcaactt	caggccctct	tttaggacct	tttgtgaact	ttctgggctt	atccaccctg	72120
gggtgagccc	agatctcacg	aatgctcctc	aagcaagcct	tgtctttaca	ggaagccaga	72180
acttcgatga	accctcagcc	tatggcaagg	ccatccttcc	cccgggccag	ccatgggtct	72240
cggggctgag	gagccacagt	gcccagagcg	agtccgggag	cctgccagcc	ttcactgtgc	72300
cccaggcaga	caccccaggg	aacactacac	ccagtgcttc	aagcagcagt	agctgctcca	72360
cggtgagccc	ccaccctcca	ggagagcaca	cagggctcat	gggcccctca	agctctgctg	72420
ccagatgact	ggacagaccc	cctgagaagt	actgcctccc	ttgggtgtta	cagtgcccct	72480
aaggatggct	cagatactcc	gagagacact	agagctgact	accggctctt	agcatctgtc	72540
ttccaccctt	atccacgtcg	tgactcttga	aatcacagca	agaacctagg	caggtctctg	72600
caaaccaaag	gcttcaacca	cagagccctg	ctggccacag	cctctatcca	gtttgcacat	72660
caagacacac	aggacaagta	gctcacaacc	cgtggtacac	aaatccctct	atttgacggg	72720
agaaatcgaa	caagcctttc	acagggtcac	ctagatcatc	agaaaacaca	gaaattcact	72780
ttataattca	taactgtagc	caaattactg	ttttgaggtt	gggggtcagc	acagcatgag	72840
gaactggagg	gctgcagcat	caggaaagtt	aaggaccact	gatctaggaa	gtgatccaag	72900
cctctcctta	gagggagacg	aaggttcaga	gaggttgatg	agctgagctg	cttcacacag	72960
cttgtaaata	gtagtcccct	tcacagatgc	ttggtagaac	ggggcagagt	gcagaaccat	73020
gcttgtctgt	tctcaatgga	ctcctggcga	gacaggcccc	gtgttcttac	ttggtctcgt	73080
ccttcctggt	ctccagccca	gcagccctga	ggactactat	tcatccttgg	agaatccctt	73140
gaagatcgaa	gtgattgaga	agcttttcgc	catggacacg	gagccgaggg	acccgggcag	73200
tacccaggtg	ggccccgcgc	gtgggtgaca	gagggctcct	ttgcagagac	ccccggtgtg	73260
ctgcgcaaag	cttcggggtc	aggaagcttg	tgagtggcgc	gctcccttcc	tactgtgtcc	73320
ctgctcagcc	ccacactcct	gtctaactgt	tgaccccatc	tctgtcttgc	acaaatggtg	73380
taagtggtgg	tggtggaggt	gggcgagggt	ggtgatgaga	atctccaggg	gcgatcctca	73440
cacctccctt	tgattgtctc	agcctgagtt	ctccacccca	gcttccacat	tgttctttag	73500
tgtgtggcct	tatcctatcc	tgcagaacct	cttgttgttt	ctgtgcatgt	ctttttcctc	73560
tgtgtgtgtg	tgtgtgtacg	cgcgcgcgtg	tgcctgtgac	acttcttagc	acaagcaggc	73620
acacttcctt	cagtaccagt	cttgggtaca	aagatctatc	tgtagtgagg	ggtcattggc	73680
tgaccgaccg	cggctgaagc	ttgtgtcttt	gcttatgagt	attctgttgt	gaccatgggt	73740
				110		

gtccctgagt	atctactggt	gagtgagaac	agcagtccct	gtgggggaga	tgaagattag	73800
ctggtacaaa	taggataaag	gagcagtgca	acagaggcca	gaagttggcc	tggctaaaag	73860
agaaagagaa	ggctgcaggt	caaaagtgga	gaaagctcac	tgaacctgta	caggatgaag	73920
ggacagatgc	aggttatatc	ccaacagcaa	tccttgtacc	ctcaatggca	aatctgagca	73980
gttccagcag	aggtatttga	atggaggact	gacagtttca	aaaggcctag	gcagggcagg	74040
gctgggccag	ccactatgta	ccctttgctc	tgtgtctcct	cagacggact	tcagtgaact	74100
ggatttggag	accttggcac	cctacatccc	tatggacggc	gaggacttcc	agctgagccc	74160
catctgccca	gaggagccgc	tcatgccaga	gagcccccag	cccacccccc	agcactgctt	74220
cagtaccatg	accagcatct	tccagccgct	caccccgggg	gccacccacg	gccccttctt	74280
cctcgataag	tacccgcagc	agttggaaag	caggaagaca	gagtctgagc	actggcccat	74340
gtcttccatc	ttctttgatg	ctgggagcaa	agggtccctg	tctccatgct	gtggccaggc	74400
cagcacccct	ctctcttcta	tgggaggcag	atccaacacg	cagtggcccc	cggatccacc	74460
attacatttc	ggccctacta	agtggcctgt	gggtgatcag	agtgctgaat	ccctgggagc	74520
cctgccggtg	gggtcatcgc	agttggaacc	tccgagcgcc	ccgcctcatg	tctccatgtt	74580
caagatgagg	ttagtgacag	atgtctggct	ggaggggaca	tactgggcag	ggcgagtaca	74640
tgtacacacc	tgcttatgaa	ggctctagag	ggtcacatca	gcttcccgct	gaccatatcc	74700
cctcactgta	tgtgtaggca	gctggcactt	ttcctagtcc	tcctctgata	tgtgagagcc	74760
agaccccagc	agatagaaga	aggggctttt	ttaagtgatg	tctgtctacc	tttggacaca	74820
gataggtatt	atggtatttc	ctccatagtc	ctgtactttc	catctgcctg	gagcctctgt	74880
ggggtgcaca	caggcaccag	cattttcctg	tcttcccagt	aggctgcagt	cccataagct	74940
gatgtgtctt	gtctatagta	cgtacccttt	atagagcacc	ccagatggtc	ctctggaagg	75000
aaggcattca	gcagaaatcc	ttctagagac	tgttgtcatc	tagctgggca	ggacccctga	75060
gggcaggact	gaggtggaca	ggtgtgcgga	gagaggcgca	ggtgacagaa	ctcttgagca	75120
tcttacagaa	ggaagagctg	agctgccgcc	gctcaagccc	tttagcattc	tgccctccat	75180
agatcgcctg	agtcataagt	gttagattct	gatgaagaca	ccaggcagcg	ggaggctgta	75240
gatgcctcac	acccaccact	gtcttctctt	ggcattggca	ggtctgcaaa	ggacttcggg	75300
gcccgaggtc	catacatgat	gagcccagcc	atgatcgccc	tgtccaacaa	gctgaagcta	75360
aagcggcagc	tggagtatga	ggagcaagcc	ttccaagaca	caagcggggt	aagccatgtc	75420
tgtgaacgaa	cagcctactg	gacaggaagg	agatgaggct	agggtagaga	tgcagacagc	75480
tagatctggt	agtgagcacc	tgcccctgct	gggtctgtgt	gctacccacc	ctactccacc	75540
ctggcccact	tcctccaact	acacatcacc	tctgcagggg	gaccctccag	gcaccagcag	75600
ttcacacttg	atgtggaaac	gtatgaagag	cctcatgggc	gggacctgtc	ctttgatgcc	75660
tgacaagacc	atcagtgcga	acatggcccc	cggtaagcag	gcctggccca	ggggtctggt	75720
ggagggttga	aggctcagag	cacattccct	gagccttgtt	agaatgggtt	atatccatgc	75780
catgagcagg	atcccggttc	agaggtctct	acatgacttc	tgaaaaagaa	agcaggctga	75840

gagcgctatt	gtctgcccta	atgacagcac	cacagttcac	tctctggctt	ggatcctcca	75900
gatgaattca	cccaaaaatc	tatgagaggc	ctgggccagc	cactgagaca	cctgccacct	75960
ccccagccac	catctaccag	gagctcaggg	gagaacgcca	agactgggtt	cccgccacag	76020
tgctatgcct	cccagttcca	ggactacggt	cctccaggag	ctcaaaaggt	gtcaggtgag	76080
tgctttggaa	ctcccaccat	agccagggtc	tgatgcaaac	aggtggcctg	gctggccaga	76140
gagctgagag	gcagccactt	gcaggaagca	actctgcgtt	tggacaagac	tgccttcaga	76200
gcccctgctc	aggtctgatg	cgactgctta	cagtccatag	ggctcttcat	cagccaagct	76260
gcatgagatg	gtttaggcag	gaccaagtct	cctctttatt	ccagagcctg	catggtacca	76320
ggcccagaaa	ggatttgaca	atgacttgtt	caaagtacaa	ggaaggccca	ggagggtgca	76380
ggctcctcat	tgatgagctg	agattgtgtg	agaaagtaag	aaaggcctct	ttggctgttg	76440
tccctgagaa	agggcagagc	cacggttact	tctggccaag	caggctcccc	agaaggtggg	76500
tctcaggctg	gggaagcttt	ggtagaagga	agcggctggt	atggcaaggg	ccccagggct	76560
gtggtggact	tctgagcaag	acaagctcgc	tgccctggaa	aggcaggctg	gaagattgtg	76620
cacggctctg	gaagggatcg	tccagtaatc	agtcagatca	catccgggct	cttggccccg	76680
caagaccaag	agtctacatc	tttcctcagc	tgctcattgc	ctgaagtgta	tacacatacc	76740
gtaacaagct	ttctctgaaa	ggttgcacag	gggactcact	gatgggaggg	tagcctggtg	76800
atccagtaag	ttcagctatt	gccactgaaa	cacacaagtg	ttcccataga	cgcctttgct	76860
cggcacaaac	aatctgtggt	ttgagaaaga	aaattccaga	gccttgtcta	cagtagcaga	76920
gttggggaaa	atttatagtt	gtgttcttag	aattccatct	gaagaaccca	aaagccctgg	76980
gctgatattt	cagttctgtt	gtttaccagc	aggtgggctt	gcaagccaga	agtcttaaaa	77040
gagaaagttt	aaagtttaaa	gagaggacca	cacatcactc	acccccggta	tacacatctg	77100
ggcagctgta	gtcagcaaat	gacaggtttc	cccagctgtt	gaatgcgaag	caaaactaat	77160
ttcaacatag	atcgtttctg	cccatagacc	gaaaggaggt	gaatttaaga	agggcagggc	77220
atctgttggt	aggagtgcag	gcaacgggaa	gtgtggaccc	cagaagggag	agcacactgg	77280
gacccagctc	tgtctctaaa	ctgagagagc	tctgctctcg	ctccagccat	ctttggatct	77340
caccactgct	gtggcatgtc	ctcttctggc	tccgtcctct	gaacagggga	tggagcccca	77400
gggccagagt	gctgctgcat	cggaagttgc	tggaagctgg	agacacagtt	gtttgcatgc	77460
atgccctttc	ctctggtcat	ctacagccag	cggagcaggt	gtgtgccagt	cctctaaaac	77520
accctcctct	ccctcctc	aggcgtggcc	agtcgactgc	tggggccatc	gttcgagcct	77580
tacctgttgc	cggaactgac	cagatatgac	tgtgaggtga	acgtgcccgt	gcctggaagc	77640
tccacactcc	tgcaggggag	agaccttctc	agagctctgg	accaggccac	ctgagccagg	77700
gcctctggcc	gggcatgccc	ctgcctgccc	cgccgtcttg	acctgccagc	ttcacttcca	77760
tctgtgttgc	tattaggtat	ctctaacacc	agcacacttc	ttacgagatg	tactcaacct	77820
ggcctactgg	ccaggtcacc	aagcagtggc	ctttatctga	catgctcact	ttattatcca	77880
tgttttaaaa	atacatagtt	gttgtacctg	ctatgtttta	ccgttgatga	aagtgttctg	77940

aaattttata agatttcccc ctccctccct cccttgaatt acttctaatt tatattcccc 78000

```
aaaggttttt ctctctca ttcatatcca tactaacaag catggtggct ggtgcctctc
                                                          78060
cctaggaaag ctttggcgtc attcaactca agtgttcttg ttcttgttgc caaagagaaa
acacaccct acacacatat acacacatgc acgtatgcgt gcacacacac acacacaca 78240
acacacaca acacaccct acacacatat acacacatgc acgtatgcgt gcacacacac
                                                           78360
acacacaca acacacacc ctacacacat atacacacat gcacgtatgc gtgcacacac 78420
acacacaca acacacatct aatcaccata ttgtaaaatt ttgtgttttt aaagccaact 78480
ctttgctccg gttttttcat acgacttagt atggggcaaa aaagcaatgt gaagaatcaa
                                                           78540
ctctagggtt acctgtgaag ccacgcggtg gtgttcgaag ctgtctggta atgcccccat
                                                           78600
ctctccccgg gtccagtgga tttttttaac tattattcaa aagcaaaact gagttttgtt 78660
ttgtttggtt ttttaagaag aatttatatc cgggt
                                                           78695
<210>
      258
<211>
      379
<212> DNA
<213> mus musculus
<300>
<301> Aizawa et al.
<302>
      Computational Analysis Of Full-Length Mouse cDNAs Compared With
      Human Genome Sequences
<303> Mamm. Genome.
<304> 12
<306> 673-677
<307> 2001
<308> BY229956.1
<309> 2002-12-10
<313> (1)..(379)
<220>
<221> misc feature
<222> (345)..(345)
<223> n is a, c, g, or t
<220>
<221> misc_feature
<222>
     (367)..(367)
<223> n is a, c, g, or t
<400> 258
gattcgagag cggccggtgt acagetccgg agtccgcage getccgctcc agetetcetg
                                                              60
aggeggeegt acaateeteg geagtgteet gagactgtat ggteatetea geggeegeae
                                                             120
tegettgeec eeggattitt ticeaactig etetettega geeattitt titettitt
                                                             180
240
aaagtgactc ctgttcgggg ctaaacggaa ctccaggtcc cttgtgctgc tctctctct
                                                             300
tttgggcgtc ttacaacctc ctcccactcc tttccccggc cccgnctcct cctgcaggtt
                                                             360
cctcccngtc atccccta
                                                             379
```

```
<210> 259
<211> 2730
<212> DNA
<213> mus musculus
<300>
<301> Carninci et al.
<302> High-Efficiency Full-Length cDNA Cloning
<303> Meth. Enzymol.
<304> 303
<306> 19-44
<307> 1999
<308> AK087208.01
<309> 2004-04-03
<313> (1)..(2730)
gaccatcgta aaaatgtttg ctacttaact gcactccctg tgtagcacac aggaagtgct
                                                                       60
gtgtgggacc tgcacagtgt tttgaggaca tgattgccct ctgttgcgga taggttgtct
                                                                      120
tttcatggac agattgttgc taatgtttct ttatagtgga atgtgcccag gactaaaagt
                                                                      180
ttcacataaa taaatggtca cagtatgtcc tcacagttac tggttactga tgcgacactt
                                                                      240
                                                                      300
aggcagcttc atggtagaat ctgacgagtt agcaggcaga tactctgact tttaaactta
                                                                      360
cccgtgttag tacgtgatat ggactttgta cgaagaccgt gtttctttag gatctctgga
aagaggcagg tttgggtgtc agtttgtcct ttccttccca ttctgcaaca aagaagagtc
                                                                      420
agtctggcac ctcaggctgg caaggatggc acccactgca gctaccaccc ttggaggtct
                                                                      480
ttgcttctgg attgcaaatg gaggcgtgtt gtccgcctca tgttctcttg gcctttactg
                                                                      540
atgtctccag actctaacct gtcgtctctc agatcagaaa cagggtctta ggtaagccag
                                                                      600
ggcctggtct gaccgtagct tcttcgccct tctctttcca ttggtgccct ttgaccctgt
                                                                      660
cctcaaactt tgttcattag tttaattaaa tctttgctaa cgctacccac gtgaagccca
                                                                      720
gttctggctc ctgcaagaat acagaagaaa gcaatttgag aagacaccaa tgcgcaaaag
                                                                      780
cagagtcaat accaaaaggt ggcttgctca tagctccct ggqctgaqcc aqatqqgttc
                                                                      840
agtgggagaa ttgactcact gtgggggtga gtgggtcact accgagagtg tgaatggatg
                                                                      900
acgtccacat tccaggacta acccctcgtt tcttcatgta ggagcagctc agagctgagg
                                                                      960
aaggagaaat cccgtgatgc cgcgaggtgc cggcgcagca aggagacgga ggtcttctat
                                                                     1020
gagttggctc atgagttgcc cctgcctcac agtgtgagct cccacctgga caaagcctcc
                                                                     1080
atcatgcgcc tggccatcag cttccttcgg acacataagc tcctgtcctc aggtaaggct
                                                                     1140
tgacaggtcc tgccccaag ctggcatcta cctaggcctc gctccaagac acatctacca
                                                                     1200
atatccactc acagaagctg gcacatggcc tttagtgtta catttattta gttgcgtgtg
                                                                     1260
agggtatgca tgtgggtcag aggacagcct ttgggagtcc attctgttct cttcttccat
                                                                     1320
catctgggat ctgggacttg aacttgggtc ctcaggctta gcagcaaatg cctctagcca
                                                                     1380
ctggaccttc ttgctggccc tgttccttca ttttagcatc tcccctctgg caatgatctt
                                                                     1440
ctcatgagtt cacccaggga agagaccaag gacagactca agtgagagtg tgaggtgctc
                                                                     1500
ccagagagtg tgaggtgctc ccagagagtg tgaggtgctc caaggggttg gagagccgag
                                                                     1560
```

agcagettet eetggaagee catecagtae etetggaeet etggegagag teeegeteea	1620
cactgtgttg actctgcagg aagcctttta tccttgtctt ccagctacat ctctaggaca	1680
tcagaaatgg tgatgtccct tgtgatctat ctctcagaac cttggtttcc ttgcctacaa	1740
actggaatta gccaggcata ctgcctggga ggataagggg taggaaatgg gggggggga	1800
ttattagggc actataggaa tgagtggaga ccgcgggtca gctgtattcg ttcttgctgg	1860
ggctagcccc ccccatagag gacagcctcg ggcacctctc cctgggtcag ccgatgcgtt	1920
cttctttccc gcatatctct tcacccacca accgttcata acgaatgctt tctttccttt	1980
gtcagagtta catccctcaa aaatcatttc ctgttaggcc tcaccaggaa gaggcagcct	2040
gggggttcca ctttcacatc ctatgtgcag tcttgtcaga cttatcagtt ctgtaaggaa	2100
actgggcagc atatagctgc caggctggca ctacagcagg gcagtgtccg aggcatgagc	2160
aagggaggca ggcaggcaag ggggaaagag atcccctggc tcattttgag ttttcctgag	2220
tgagtgtgtc actctggaga tgactcctta catggctatt ctgggaaaga gccccctgca	2280
cagaggggtc cagaatgagg cggggaagcc agactagcct gtgctattct gggcccctgt	2340
gcacaggaag gatatatggg aaagaccttc ggaggttaga atggctgctc atcccatcgt	2400
cctcctctaa cccccaggct ggaggctaag cctgggctgc aaggctgagg tgaccgtgct	2460
gttacagaaa tgagcagaga gtggagaaag caagggcgga gccgctgcac acacagcagg	2520
gcaacagcaa ttactcagat ttagacggtg aaaatggttg agggaagctc aggctaagga	2580
cttgtaaagc ctggactgct aaataaaaag gcagactcgg aggtgtctca cccatgcccc	2640
atgcatgcct tcattttaca gaggattgtc ctcttggaga aatgaggacg acagttcggt	2700
gatttgtagg attttgcaaa gcctgtcagg	2730
<210> 260 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 260	
ggttccttaa ccccgtaggg	20
<210> 261 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer	
<400> 261 acctgggttc cttaaccccg	20
	20
<210> 262 <211> 20 <212> DNA <213> Artificial Sequence	

<220> <223>	Oligonucleotide primer	
<400> ggagca	262 cctg ggttccttaa	20
<210>	263	
<211> <211>	20	
<213>		
<220> <223>	Oligonucleotide primer	
<400> ttgtca	263 gctg tcattgtcgc	20
<210>	264	
<211> <212>		
<213> <220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400> tctcct	264 tgtc agctgtcatt	20
<210>	265	
<211> <211> <212>	20	
	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gaagac	265 ctcc gtctccttgc	20
<210>	. 266	
<211>	20	
<212> <213>		
<220> <223>	Oligonucleotide primer	
<400>		
caggtg	ggag ctcacactgt	20
<210>	267	
<211> <212> <213>	20 DNA	
<220>	Artificial Sequence	
<223>	Oligonucleotide primer	
<400> aagctg	267 atgg ccaggcgcat	20
<210>	268	
<211>	20	

<212> <213>		
<220> <223>	Oligonucleotide primer	
<400> ttcagg	268 taca agttatccat	20
<210> <211>	20	
<212> <213>	DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aaggct	269 ttca ggtacaagtt	20
<210>	270	
<211>	20	
<212> <213>	DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aatgaa	270 accc tccaaggett	20
<210> <211>		
<212>	DNA	
	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400>		
atgaac	ttgc tgatgttttc	20
<210> <211>	272 20	
<212>	DNA	
<213>	Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gtccca	272 tgaa cttgctgatg	20
<210>	273	
<211> <212>	20 DNA	
<213>		
<220> <223>	Oligonucleotide primer	
<400> acctgg	273 gtaa gtcccatgaa	20

<210><211><211><212><213>	274 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgttag	274 ttct acctgggtaa	20
<210><211><211><212><213>	275 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gtcaaa	275 gatg ctgtgtcctg	20
<210> <211> <212> <213>	276 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ggatga	276 gtga agtcaaagat	20
<210> <211> <212> <213>	277 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> atgaag	277 aagt cacgctcggt	20
<210><211><211><212><213>	278 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ttcatc	278 ctca tgaagaagtc	20
<210> <211> <212> <213>	279 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgcact	279 tcat cctcatgaag	20

<210> <211> <212> <213>	280 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgacag	280 teeg geetetgttg	20
<210> <211> <212> <213>	281 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> actctc	281 actt gcccggtgca	20
<210><211><211><212><213>	282 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gttgtt	282 gtag actctcactt	20
<210><211><211><212><213>	283 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> attggc	283 / tcac acatgatgat	20
<210><211><211><212><213>	284 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgggtg	284 ctgg attggctcac	20
<210> <211> <212> <213>	285 20 DNA Artificial Sequence	
<223>	Oligonucleotide primer	

	ISPT1010.ST25.txt
<400> 285	
atgctgtggc ggctcaggaa	20
<210> 286	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Oligonucleotide primer	
<400> 286	
gggtggtaac caatcagttc	20
<210> 287	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Oligonucleotide primer	
<400> 287	
gtgcacaagt tctggtgact	20
319000000	20
<210> 288	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
(213) Altilitial Sequence	
<220>	
<223> Oligonucleotide primer	
<400> 288	
ccttggtgca caagttctgg	20
2010× 000	
<210> 289	
<211> 20	
<212> DNA	
<212> DNA <213> Artificial Sequence	
<212> DNA <213> Artificial Sequence <220>	
<212> DNA <213> Artificial Sequence	
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer	
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289	
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20	20
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA	20
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220>	20
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220>	20
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220>	20
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220>	20
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 290	20
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer	
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 290	
<212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Oligonucleotide primer <400> 290 tgaccgtccc ctgggtctcc	
<212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 289 gtcccctggg tctccagcca  <210> 290 <211> 20 <212> DNA <213> Artificial Sequence  <220> <223> Oligonucleotide primer  <400> 290 tgaccgtccc ctgggtctcc	
<pre>&lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 289 gtccctggg tctccagcca  &lt;210&gt; 290 &lt;211&gt; 20 &lt;211&gt; 20 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 290 tgaccgtcc ctgggtctcc</pre>	
<pre>&lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 289 gtccctggg tctccagcca  &lt;210&gt; 290 &lt;211&gt; 20 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 290 tgaccgtccc ctgggtctcc  &lt;210&gt; 290 cgaccgtccc ctgggtctcc</pre>	
<pre>&lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 289 gtccctggg tctccagcca  &lt;210&gt; 290 &lt;211&gt; 20 &lt;211&gt; 20 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 290 tgaccgtcc ctgggtctcc</pre>	
<pre>&lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 289 gtccctggg tctccagcca  &lt;210&gt; 290 &lt;211&gt; 20 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence  &lt;220&gt; &lt;223&gt; Oligonucleotide primer  &lt;400&gt; 290 tgaccgtccc ctgggtctcc  &lt;210&gt; 290 cgaccgtccc ctgggtctcc</pre>	

<223>	Oligonucleotide primer	
<400> gtagat	291 gacc gtcccctggg	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> gggttg	292 taga tgaccgtccc	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> catagt	293 tgac acacatgata	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> tccatg	294 gaga acaccacgtc	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> tctggt	295 ccat ggagaacacc	20
<210> <211> <212> <213>	296 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aaagat	296 gctg ttcatggcca	20
<210><211><211><212><212><213>	297 20 DNA Artificial Sequence	

<220> <223>	Oligonucleotide primer	
<400>	297	20
tggtga	acag gtagttgctc	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> agctcc	298 togg gotootoott	20
<210> <211> <212> <213>	20	
<220> <223>	Oligonucleotide primer	
<400> ggcctt	299 gcca taggctgagg	20
<210><211><211><212><213>	300 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> aggatg	300 gcct tgccataggc	20
<210><211><211><212><213>	301 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ctgctg	301 ggcg tggagcagct .	20
<210><211><212><212><213>	302 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> tgaagt	302 ccgt ctgggtactg	20
<210> <211>	303 20	

<212> <213>		
<220> <223>	Oligonucleotide primer	
<400> tccaac	303 tgct gcgggtactt	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> ttgctc	304 ccag catcaaagaa	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> caggga	305 ccct ttgctcccag	20
<210><211><211><212><213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> gtgctg	306 gcct ggccacagca	20
<210><211><211><212><213>	307 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cttgaa	307 catg gagacatgag	20
<210><211><211><212><213>	308 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cagacc	308° tcat cttgaacatg	20

<210><211><211><212><213>	309 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ctttgc	309 agac ctcatcttga	20
<210><211><211><212><213>	310 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ttcagc	310 ttgt tggacagggc	20
<210><211><211><212><213>	311 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> gtgaac	311 tgct ggtgcctgga	20
<210><211><211><212><213>	312 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cacatc	312 aagt gtgaactgct	20
<210><211><211><212><213>	313 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> ccgccc	313 atga ggctcttcat	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> aggaca	314 ggtc ccgcccatga	20

<210> <211> <212> <213>	315 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> caggca	315 tcaa aggacaggtc	20
<210><211><211><212><213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> gatttt	316 tggg tgaattcatc	20
<210><211><211><212><213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> ctggcc	317 acgc ctgacacctt	20
<210> <211> <212> <213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> gatggc	318 ccca gcagtcgact	20
<210><211><211><212><213>	319 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> cgaacg	319 atgg ccccagcagt	20
<210><211><211><212><213>	320 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	

		13F11010.3123.txt	
<400> aggtaa	320 ggct cgaacgatgg		20
<210> <211> <212> <213>	20		
<220> <223>	Oligonucleotide primer		
<400> cagtca	321 tatc tggtcagttc		20
<210> <211> <212> <213>	20		
<220> <223>	Oligonucleotide primer		
<400> cctcac	322 agtc atatctggtc		20
<210> <211> <212> <213>	20		
<220> <223>	Oligonucleotide primer		
<400> gttcac	323 ctca cagtcatatc		20
<210> <211> <212> <213>	20 DNA		
<220> <223>	Oligonucleotide primer		
<400> ggcacg	324 ttca cctcacagtc		20 -
<210><211><211><212><213>	325 20 DNA Artificial Sequence	·	
<220> <223>	Oligonucleotide primer		
<400> gcacgg	325 gcac gttcacctca		20
<210> <211> <212> <213>	326 20 DNA Artificial Sequence		
<220>			

<223>	Oligonucleotide primer	
<400> tctctc	326 ccct gcaggagtgt	20
<210><211><211><212><213>	20	
<220> <223>		
<400> tctgag	327 aagg teteteect	20
<210> <211> <212> <213>	20 . DNA	
<220> <223>	Oligonucleotide primer	
<400> ggtcca	328 gagc tctgagaagg	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> gctcag	329 gtgg cctggtccag	20
<210> <211> <212> <213>		
<220> <223>	Oligonucleotide primer	
<400> ggccct	330 ggct caggtggcct	20
<210> <211> <212> <213>	331 20 DNA Artificial Sequence	
<220> <223>	Oligonucleotide primer	
<400> agaaca	331 agaa cacttgagtt	20
<210><211><211><212><213>	332 20 DNA Artificial Seguence	

<220> <223>	Oligonucleotide primer	
<400> aacagt	332 tgag acatgacagt	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> tgtcac	333 taac ctcatcttga	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> acagga	334 gtca cttttctggg	20
<210><211><211><212><212><213>	20 DNA	
<220> <223>	Oligonucleotide primer	
<400> cataca	335 gtct caggacactg	20
<210><211><211><212><213>	DNA	
<220> <223>	Oligonucleotide primer	
<400> aatctg	336 tcca tgaaaagaca	20
<210><211><211><212><213>	337 20 DNA Homo sapiens	
<400> cagcga	337 caat gacagctgac	20
<210>	338	
<211> <212> <213>	20 DNA Homo sapiens	

<400> caggcc	338 acct gagccaggcc	20
<210>	339	
<211> <212>	20 DNA	
<213>	Homo sapiens	
-220		
<400>	339	
tagact	ccga gaacatgacc	20
<210>	340	
<211> <212>	20 DNA	
<213>	Homo sapiens	
<400>	340	
agcagc	agca gctgctccac	20
<210>	341	
<211>	20	
<212>	DNA Home capiens	
<213>	Homo sapiens	
<400>	341	
ccactg	agcg caaatgtacc	20
<210>	342	
<211>	20	
<212>	DNA	
<213>	Homo sapiens	
<400>	342	
	gtaa cttcctattc	20
<210>	343	
<211>	20	
<212>	DNA	
<213>	Homo sapiens	
<400>	343	
	gggg aagacttcca	20
,,,		
<b>2010</b> >	244	
<210> <211>	344	
<212>	DNA	
<213>	Homo sapiens	
<400>	344 coot gaggagotgo	20
Clacca	sect gaggagetge	20
<210>	345	
<211> <212>	20 DNA	
<212>	DNA Homo sapiens	
<400>	345	
agccta	tgaa ttctaccatg	20
<210>	346	
<211>	20	
<212>	DNA	

<213>	Homo sapiens
<400> cgacct	346 gaag attgaagtga
<210><211><211><212><212><213>	347 20 DNA Homo sapiens
<400>	
<210> <211> <212>	
<213> <400> tgggag	Homo sapiens  348 cctg cctgccttca
<210> <211> <212>	DNA
<213> <400> gctgtg	Homo sapiens 349 gcca ggccagcacc
<210> <211> <212>	350 20 DNA
<213> <400>	Homo sapiens 350 catg aggagattcg
<210> <211> <212>	351 20 DNA
<213> <400>	Homo sapiens 351 ggcc atgaacagca
<210> <211>	352 20
<212> <213> <400>	352
ggccaa	ggac caatgcagta 353
<211> <212> <213>	DNA Homo sapiens
<400> acccag	353 agcg aggctgggag
<210>	354

		JI 11010.5125. CAC
<211> <212> <213>		
<400> ctggga	354 agct ccacgctcct	20
<210> <211> <212> <213>	355 20 DNA Homo sapiens	
<400> aagcaa	355 agac atgtccacag	20
<210> <211> <212> <213>	356 20 DNA Homo sapiens	
<400> gagctg	356 gact tggagacact	20
<210> <211> <212> <213>	20 .	
<400> aactgc	357 cctc ctcacaatag	20
<210> <211> <212> <213>	358 20 DNA Homo sapiens	
<400> ggtggc	358 agca cctcacattt	20
<210> <211> <212> <213>	359 20 DNA Homo sapiens	
	359 tgct ccacgcccaa	20
<210><211><212><212><213>		
<400> agagtt	360 cttg ggagcagcgc	20
<210><211><211><212><213>	361 20 DNA Homo sapiens	
<400> atttga	361 gtcc tacctgctgc	20

<210> <211> <212> <213>	DNA
<400>	
<210> <211>	363 20
<212> <213>	DNA
<400> agacto	363 ccgag aacatgacca
<210> <211>	20
<212> <213> <400>	Homo sapiens
	catgg accagactga
<210> <211> <212>	20
<213> <400>	365
	aggag attcgtgaga
<210> <211> <212>	20 DNA
<213> <400>	Homo sapiens
	itaac gacctgaaga
<210> <211> <212> <213>	367 20 DNA Homo sapiens
<400>	_
<210>	368
<211> <212> <213>	
<400> gtgttc	368 tatg agctggccca
<210>	369
<211> <212> <213>	20 DNA Homo sapiens
<400>	369

taacaa	gcacc tcacatttga	20112020101201016	20
cggca	geace ceacactega	•	20
<210>	370		
<211> <212>			
<213>			
12101	547255		
<400>	370		
ccgaa	gctga ccagcagatg		20
<210>	371		
<211>			
<212>			
<213>	Homo sapiens		
<400>	371		
	agact gaatccctgt		20
99	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
<210>			
<211> <212>			
<213>			
<400>			
cccta	egggg ttaaggaacc		20
		•	
<210>	373		
<211>			
<212>	DNA		
<213>	Mus musculus		
<400>	373		
	taag gaacccaggt		20
5555	3 3 33		
<210> <211>	374 20		
<211>			
<213>	Mus musculus		
<400>	374		
ttaagg	gaacc caggtgctcc		20
<210>	375		
<211>			
<212>	DNA		
<213>	Mus musculus		
<400>	375		
	atga cagctgacaa		20
- •			
.010	27.6		
<210> <211>	376 20		
<211>	DNA		
<213>	Mus musculus		
<400>	376		20
aatyac	cagct gacaaggaga		20
<210>	377		
<211>			
<212>	DNA Mus musculus		
< /   1 1 2	wine minecullie		

<400> gcaagg	377 gagac ggaggtette	2
<210> <211> <212>	378 20 DNA	
<213> <400>	Mus musculus 378	
	gtgag ctcccacctg	2
<210> <211>	379 20	
<212> <213>	DNA Mus musculus	
<400> atgcgc	379 cctgg ccatcagett	2
<210> <211>	380 · · · · · · · · · · · · · · · · · · ·	
<212> <213>	DNA Mus musculus	
<400> atggat	380 caact tgtacctgaa	2
<210> <211>	381 20	
<212> <213>	DNA Mus musculus	
<400> aacttg	381 gtacc tgaaagcctt	2
<210> <211>	382 20	
<212> <213>	DNA Mus musculus	
<400> aagcct	382 Etgga gggtttcatt	2
<210>	383	
<211> <212> <213>	20 DNA Mus musculus	
<400> catcag	383 gcaag ttcatgggac	2
<210>	384	
<211> <212> <213>		
<400> ttcatg	384 gggac ttacccaggt	2
<210> <211>	385 20	

		10111010.0125.cxc	
<212> <213>			
<400>			
ttaccca	aggt agaactaaca		20
<210>	386		
<211>			
<212>			
<213>	Mus musculus		
<400>			20
caggaca	acag catctttgac		20
<210>	387		
<211>	20		
<212>			
<213>	Mus musculus		
<400>	387		
	gact tcactcatcc		20
	,		
<210>			
<211>			
<212>			
<213>	Mus musculus		
<400>	388		
accgago	cgtg acttcttcat		20
10105	200		
<210> <211>			
<211>			
<213>			
<400>	389		
gacttc	ttca tgaggatgaa		20
		•	
<210>	390		
<211>			
<212>	DNA		
<213>	Mus musculus		
	200		
<400>			20
CLLCal	gagg atgaagtgca		20
<210>	391		
<211>	20		
<212>	DNA		
<213>	Mus musculus		
<400>	391		
	aggc cggactgtca		20
,			
.045:	200		
<210> <211>	392		
<211> <212>	20 DNA		
<212>	Mus musculus		
<400>			
tgcacco	gggc aagtgagagt		20

<210>	393		
<211>	20		
<212>	DNA		
<213>		mucoulus	
<213>	Mus	musculus	
<400>	393		
aagtga	gagt	ctacaacaac	20
<210>	394		
<211>	20		
<212>	DNA		
<213>	Mus	musculus	
<400>	394		
atcatc	atgt	gtgagccaat	20
<210>	395		
<211>	20		
<212>	DNA		
<213>		musculus	
<400>	395		
		ccagcaccca	20
gegage	cuuc	ccagcaccca	20
<210>	396		
<211>	20		
<211>			
	DNA		
<213>	Mus	musculus .	
14005	200		
<400>	396		
ttcctg	agcc	gccacagcat	20
<210>	397		
<211>			
<212>	DNA		
<213>	Mus	musculus	
<400>	397		
gaactg	attg	gttaccaccc	20
<210>	398		
<211>	20		
<212>	DNA		
<213>	Mus	musculus	
<400>	398		
agtcac		acttgtgcac	20
. <b>.</b>			
<210>	399		
<211>	20		
<212>	DNA		
<213>		musculus	
-CIJ/	.143	and out do	
<400>	399	•	
		tacaccaaga	20
ccayaa	city	tgcaccaagg	20
Z2105	400		
<210>	400		
<211>	20		
<212>	DNA		
<213>	Mus	musculus	
<400>	400		
taacta	gaga	cccaggggac	20

<210> <211> <212>	401 20 DNA			
<213>	Mus	musculus		
<400> ggagac	401 ccag	gggacggtca		20
<210> <211> <212>	402 20 DNA			
<213>		musculus	•	
<400> cccagg	402 ggac	ggtcatctac		20
<210> <211> <212>	403 20 DNA			
<213>	Mus	musculus		
<400> gggacg	403 gtca	tctacaaccc		20
<210> <211> <212>	404 20 DNA	_		
<213>		musculus		
<400> gacgtg	404 gtgt	tctccatgga		20
<210><211><211><212><213>	405 20 DNA Mus	musculus		
<400>	405	mascaras		
		atggaccaga		20
<210> <211> <212>	406 20 DNA			
<213>	Mus	musculus		
<400> tggcca	406 tgaa	cagcatcttt		20
<210> <211>	407 20			
<212> <213>	DNA Mus	musculus		
<400>	407	ctattcacca		20
yaycaa	ccac	ctgttcacca		20
<210> <211> <212>	408 20 DNA			
/2125	Marc			

aaggagg	agc ccgaggagct	
	409	
	20 DNA	
	Mus musculus	
	409	
	cta tggcaaggcc	
cccage		
	410	
	20 DNA	
	Mus musculus	
	410	
gcctatg	gca aggccatcct .	
<210>	411	
	20	
	DNA Mus musculus	
	411	
agetgett	cca cgcccagcag	
<210>	412	
	20	
	DNA	
\213\ I	Mus musculus	
	412	
cagtacco	cag acggacttca	
<210>	413	
	20	
	DNA	
<213> N	Mus musculus	
<400>	413	
aagtacco	cgc agcagttgga	
	•	
	414	
	20	
	DNA Mus musculus	
<400>		
cryggago	caa agggtccctg	
<210>	415	
	20	
<212> I	DNA	
<213> N	Mus musculus	
<400>		
tgctgtg	gcc aggccagcac	
-010:	41.6	
	416 20	
	DNA	

<213> Mus	musculus	
<400> 416		
	catgttcaag	2
Z210> 417		
<210> 417 <211> 20		
<212> DNA		
	musculus	
<400> 417	ataaaatata	2
catgittaag	atgaggtctg	2
<210> 418		
<211> 20 <212> DNA		
	musculus	
<400> 418		_
tcaagatgag	gtctgcaaag	2
<210> 419		
<211> 20		
<212> DNA		
<213> Mus	musculus	
<400> 419		
	acaagctgaa	2
<210> 420	•	
<211> 20		
<212> DNA		
<213> Mus	musculus	
<400> 420		
	agcagttcac	2
<210> 421		
<211> 421		
<212> DNA		
<213> Mus	musculus	
<400> 403		
<400> 421	tcatgggcgg	2
acgaagagee	caacgggagg	2
<210> 422		
<211> 20 <212> DNA		
	musculus	
<400> 422	gacctgtggt	2
ccargggcgg	gacctgtcct	2
<210> 423		
<211> 20 <212> DNA		
	musculus	
<400> 423		
gacctgtcct	ttgatgcctg	2
<210> 424		

<211>	20				
<212> <213>	DNA Mus	musculus			
<400> aaggtg	424 tcag	gcgtggccag			20
<210><211><211><212><213>	425 20 DNA Mus	musculus			
<400> agtcga		tggggccatc			20
<210> <211> <212> <213>	426 20 DNA Mus	musculus			
<400> actgct	426 gggg	ccatcgttcg			20
<210> <211> <212> <213>	427 20 DNA Mus	musculus			
<400> ccatcg	427 ttcg	agccttacct			20
<210> <211> <212> <213>	428 20 DNA Mus	musculus			
<400> gaactga	428 acca	gatatgactg			20
<210> <211> <212> <213>	429 20 DNA Mus	musculus		·	
<400> gaccaga	429 atat	gactgtgagg			20
<210> <211> <212> <213>	430 20 DNA Mus	musculus			
<400> gatatga	430 actg	tgaggtgaac			20
<210><211><211><212><213>	431 20 DNA Mus	musculus			
<400> gactgte	431 gagg	tgaacgtgcc			20

<210> <211> <212> <213>	432 20 DNA Mus	musculus			
<400> tgaggt	432 gaac	gtgcccgtgc			20
<210><211><211><212><212><213>	433 20 DNA Mus	musculus			
<400>	433	aggggagaga			20
<210><211><212><212><213>	434 20 DNA Mus	musculus			
<400> agggga	434 gaga	ccttctcaga			20
<210><211><211><212><213>	435 20 DNA Mus	musculus	·		
<400> ccttct	435 caga	gctctggacc			20
<210> <211> <212> <213>	436 20 DNA Mus	musculus			
<400> ctggac	436 cagg	ccacctgagc			20
<210> <211> <212> <213>	437 20 DNA Mus	musculus			
<400> aactca	437 agtg	ttcttgttct			20
<210><211><211><212><213>	438 20 DNA Mus	musculus			
<400> actgtc	438 atgt	ctcaactgtt	•		20
<210> <211> <212> <213>	439 20 DNA Mus	musculus			
<400>	439				

ccaaya	tyay gitagigada	20
<210> <211> <212> <213>	20 DNA	
<400>		20
<210><211><211><212><213>	20 DNA	
<400>		20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> ttcgcg	442 gctg gacgattcag	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> cctcat	443 ggtc gcagggatga	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> tctcct	444 catg gtcgcaggga	20
<210> <211> <212> <213>	20 DNA	
<220> <223>	Synthetic Construct	
<400> tcatgg	445 tcac atggatgagt	20
<210>	446	

<211>	20	7-1-0-10-10-10-10-10-10-10-10-10-10-10-10
<212> <213>		
<220> <223>	Synthetic Construct	
<400> cctcat	446 ggtc acatggatga	20
<210> <211>		
<212>	DNA	
<213>	Artificial Sequence	
<220> <223>	Synthetic Construct	
<400>		
ctcatg	gtca catggatgag	20
<210>	448	
<211>	20	
<212> <213>		
	ciriorar bodacinos	
<220> <223>	Synthetic Construct	
<400>	448	
atttcc	tcat ggtcacatgg	20
<210> <211>		
<211>		
<213>	Artificial Sequence	
<220>	C. Albahia Casahanah	
<223>	Synthetic Construct	
<400>	449 tcca aggctttcag	20
aaaccc	adda aggotttoag	20
<210>	450	
<211> <212>	20 DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Construct	
<400>	450	
tcctca	tggt cgcagggatg .	20
<210×	451	
<210> <211>	451 20	
<212>	DNA	
<213>	Artificial Sequence	
<220>	Synthetic Construct	
<223>	Synthetic Construct	
<220>		
<221>	misc_feature	

```
<222> (12)..(12)
<223> n = inosine
<220>
<221> misc_feature
<222> (15)..(15)
<223> n = pseudouridine
<400> 451
tcctcatggt cncanggatg
                                                                                      20
<210> 452
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Construct
<220>
<221> misc_feature
<222> (11)...(11)
<223> n = inosine
<220>
<221> misc_feature
<222> (14)...(14) <223> n = pseudouridine
<400> 452
cctcatggtc ncanggatga
                                                                                      20
<210> 453
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Control Oligonucleotide
<220>
<221> misc_feature <222> (1)..(20)
<223> equal mixture of the bases A, C, G and T
<400> 453
nnnnnnnnn nnnnnnnnn
                                                                                      20
<210> 454
<211> 20
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Control Oligonucleotide
<400> 454
ccttccctga aggttcctcc
                                                                                      20
<210> 455
<211> 19
<212> DNA
<213> Artificial Sequence
```

<220>		20112010120. CAC	
<223>	Synthetic Construct		
-220	5,		
<400>	455		
cgagag	gcgg acgggaccg		19
<210>	456		
<211>			
<212> <213>			
\213/	Altilitial Sequence		
<220>			
	Synthetic Construct		
	-		
<220>			
	misc_feature		
	(20)(21)		
<223>	deoxythymidine		
<400>	456		
	gcgg acgggaccgt t		21
, , ,			
<210>			
<211>			
<212>			
<213>	Artificial Sequence		
<220>			
<223>	Synthetic Construct		
	3		
<220>			
	misc_feature		
	(20)(21)		
<223>	deoxythymidine		
<400>	457		
	cgtc cgcctctcgt t		21
,,,			
<210>			
<211>	19		
<212>			
<213>	Artificial Sequence		
<220>			
<223>	Synthetic Construct		
<400>	458		
cggtcc	cgtc cgcctctcg		19